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# BUREAU OF AIIERICAN ETHNOLOGY 

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secretary of the silithsontay institution

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1899-1900
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J。W. P()WWIL

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WASHINGTON
GOVERNMEN'PRINTINGOFFICE
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## LETTER OF TRANSMTTTAL

## Smithsonian Institution,

 Buread of Aiferican Ethnology, Washington, D. C., July 1, 1900.Sir: I have the honor to submit my Twenty-first Annual Report as Director of the Bureau of American Ethnology.

The preliminary portion comprises an account of the operations of the Bureau during the fiscal year; the remainder consists of two memoirs on anthropologic subjects, prepared hy assistants, which illustrate the methods and results of the work of the Bureau.

Allow me to express my appreciation of your constant aid and your support in the work under my charge.

I am, with respect, your obedient servant,


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## REPORT OF THE DIRECTOR

# TWENTY-FIRST ANNUAL REPORT 

OF THE

## BUREAUOFAMERICAN ETHNOLOGY

By J. W. Powell, Director

Ethnological researches have been conducted during the year ending June 30, 1900, in accordance with the act of Congress making provision "for continuing researches relating to the American Indians, under the direction of the Smithsonian Institution," approved March 3, 1899.

The work of the year was carried forward in accordance with a formal plan of operations submitted on, May 13,1899 , and approved by the Secretary under date of June 16, 1899.

The field operations of the regular corps extended into Arizona, California, Cuba, Indian Territory, Jamaica, Maine, Mimesota, New Mexico, New York, Nova Scotia, Oklahoma, Ontario, and Wisconsin, and operations were conducted by special agents in Alaska, Argentina, and Porto Rico. The office work comprised the collection and preparation of material from most of the States and Territories, as well as from various other parts of the western hemisphere.

As during previous years, the researches have been carried forward in accordance with a scientific system developed largely in this Bureau. This system is outlined in the classification adopted in previous reports and continued in the present one.

## FIELD RESEARCH AND EXPLORATION

The Director, aided by Mr Frank Hamilton Cushing, spent the earlier months of the fiscal year in an investigation of the middens and tumuli representing the work of the aborigines in northeastern United States, especially in Maine. A considerable number of both classes of accummlations were excavated, with instructive results. Among the relics brought to light were many of customary types, together with a smaller number of much significance, in that they represent early stages of acculturation through contact with Caucasian pioneers; and in addition to the aboriginal and accultural artifacts, the explorers were rewarded by finding the remains of a metallic armor of European make in such associations as to throw light on the begiming of warfare between red men and white.

Later in the year the Director, accompanied by Professor W. H. Holmes, of the United States National Museum, repaired to Cuba and Jamaica for the purpose of tracing lines of cultural migration between the great continents of the Western Hemisphere. The researches of the last two decades have shown clearly that the customs of the aborigines in what is now southeastern United States were affected by extraneous motives and devices; the phenomena have suggested importation of objects and ideas belonging to what is commonly styled "Caribbean art" from South America by way of the Antilles, and it was thought desirable to seize the opportunity offered by recent political changes for special studies in the Antillean islands. Although the trip was a reconnaissance merely, it yielded useful data on which to base further researches, including a small collection for the Museum.

A noteworthy trip was made early in the fiscal year by Mr F. W. Hodge, with a party of volunteer assistants comprising Dr Elliott Coues, of Washington, Dr George Parker Winship, of Providence, and Mr A. C. Vroman, of Pasadena. The journey was so plamed as to touch

the less known pueblos of the phateau country and valleys of New Mexico and Arizona and to obtain data relating to social organization, migrations, and customs, as well as typical photographs of individuals, habitations, etc. All of the existing pueblos of New Mexico were visited and many of the ruins. The trip yielded a large body of data for incorporation in the reports, and especially in the Cyclopedia of Native Tribes.

About the middle of September Dr J. Walker Fewkes proceeded to New Mexico for the purpose of completing his investigation of the mythology and ceremonies of the Hopi Indians, his trip being so timed as to permit observation of the autumn and winter ceremonies not previously observed by ethnologic students. He remained in the pueblo throughout the winter, and his studies proved eminently fruitful. Toward the end of March he repaired to Arizona for the purpose of locating aboriginal ruins near Little Colorado river, concerning which vague rumors were afloat; and this work, also, was quite successful, as is noted in another paragraph.

During the early autumn Dr Albert S. Gatschet visited several groups of survivors of Algonquian tribes on Cape Breton island for the purpose of extending the studies of the previous year in New Brunswick; he succeeded in obtaining considerable linguistic material, in addition to other data pertaining to the northeasternmost representatives of that great Algouqnian-speaking people neighboring the Eskimo on their north and extending thence southward more than half way across the present territory of the United States.

Early in the winter Mr J. N. B. Hewitt revisited the remnants of several Iroquoian tribes in New York and Ontario and continued the collection and comparison of the tribal traditions. Finding the conditions favorable for recording some of the more noteworthy traditions, he spent several weeks in an Indian village near Hamilton, Ontario, returning to the office in April.

Toward the end of the calendar year Mr J. B. Hatcher, who had been operating in Patagonia and Terra del Fuego as a special agent of the Bureau, returned to the country with a considerable collection for the Museum, as well as a large number of photographs illustrating the physical characteristics, costumery, habitations, and occupations of the Tehuelche and Yahgan tribes. He also brought in an extended vocabulary collected among the natives of the former tribe and useful notes relating to the social organization and other characteristics of the two tribes.

Toward the end of the fiscal year Miss Alice C. Fletcher was commissioned as a special agent to visit Indian Territory and Oklahoma for the purpose of obtaining certain esoteric rituals of the Pawnee tribe. Her work was notably successful, as is indicated in other paragraphs.

Dr Willis E. Everette remained in Alaska throughout the fiscal year, pursuing his vocation as a mining engineer, but incidentally collecting, for the use of the Burean, linguistic and other data pertaining to the native tribes.

About the begimning of the fiscal year Dr Robert Stein, formerly of the United States Geological Survey, accompanied a Peary expedition northward as far as Elsmereland, where he planned to spend the winter in geographic and related researches. He carried instructions from the Bureau for such archeologic and ethnologic observations as he might be able to make, together with photographic apparatus and materials needed in the work. Elsmereland is not known to be now inhabited nor to have been iuhabited in the past by the aborigines, but the situation of the island is such as to indicate that it was probably occupied at least temporarily by Eskimauan tribes in some of the migrations attested by their wide distribution; hence it is thought probable that archeologic work on the island may throw light on the early history of this widely dispersed orarian people. A brief report of progress was received after the close of the fiscal year.

During the autumn Mr Robert T. Hill, of the United States Geological Survey, visited Porto Rico in the interests of that Bureau and of the Department of Agriculture;
and the opportunity was seized to arrange for obtaining through his cooperation such photographs and other data of ethnologic character as he might be able to discover in connection with his other duties. The arrangement yielded material of value.

## OFFICE RESEARCH

## Work in Esthetology

In the course of a recomnaissance of the Greater Antilles, the Director and Professor Holmes enjoyed moderate opportunities for observing (chiefly in local collections) artifacts of the class commonly regarded as displaying traces of Caribbean influence; and while neither time nor opportunity permitted exhaustive study, a few interesting generalizations were made. One of these relates to the relative abundance of esthetic and industrial motives among those artifacts displaying traces of a southern influence. When the objects and special features were compared with those from Florida and other portions of southern United States, it was noted that the presumably imported or accultural features are predominantly esthetic, and only subordinately of technical or industrial character-that is, it would appear from the collections that esthetic motives travel more fieely, or are interchanged more readily, than purely utilitarian motives among primitive peoples. The relation is of comse complicated by the relative abundance of fiducial or other sophie motives, which often blend with both esthetic and industrial motives in puzzling fashion; but even after these motives are weighed or eliminated, the general relation remains unchanged. The generalization promises to be of service as a guide in the study of that affiliation of tribes, or integration of peoples, which complicates every ethnologic problem. The Director's inquiries were greatly facilitated by Professor Holmes' artistic training and his extended familiarity with both the esthetic and the industrial motives of aboriginal artifacts; nor could
the generalization have been made without the aid of Mr Cushing and the opportunity of examining his remarkable collection of artifacts of wood and shell from the muck beds of western Florida, of which a considerable part is now in the National Museum. The details of the work are reserved for later reports.

Throughout the fiscal year Mr W J McGee was ocenpied primarily with administrative duties as ethnologist in charge in the office, but partly in the preparation of reports on field researches of previons years. One of his subjects of study was the esthetic status of the Seri Indians of Tiburon island and the adjacent territory. The tribe is notably primitive in several respects, as has been indicated in previous reports, and this primitive character is well displayed in their meager esthetic. One of the conspicuous customs of the tribe is that of facepainting, the paint being applied uniformly in definite patterns, of which nearly a dozen were observed. The custom is practically limited to the women, though male children are sometimes painted with their mothers' devices. On inquiry into the uses and purposes of the designs it was found that each pertains to and denotes a matronymic group, or clan, and that the more prominent designs, at least, are symbols of zoic tutelaries-for example, Turtle, Pelican. It thus appears that the painted devices are primarily symbolic rather than decorative, though comparison of the devices used by different members of the same clan or by the same female at different times indicates that the sematic function does not stand in the way of minor modification or embellishment of the device through the exercise of a personal feeling for decoration. The investigation is of interest in that it establishes the symbolic basis of esthetic concepts along a new line, and it is of even deeper interest in that it seems to reveal nascent notions of decoration, and thus aids to define the beginning of purely artistic activities. The symbolic devices themselves are of much significance as indices to the social organization on the one hand and to the prevailing belief of the tribe on the other hand. The
restriction of the painted symbols to the females and the especially conspicnons use of them by matrons betoken the strength and exclnsiveness of that sense of maternal descent which is normal to the lowest stage of conlture; the devices are at once blood-signs definite as the facemarks of gregarions animals, and clan-standards significant as tartan or pibroch; and the confinement of their display to the recognized blood-carriers of the clan attests perhaps more clearly than any other phenomena thus far noted the strength of that semi-instinctive feeling expressed in maternal organization. In like manner, the representation of local tntelaries in the painted deyices attests the intensity and dominance of that zootheistic faith which seems to be normal to the lowest stage of intellectnal development. The details of the investigation are incorporated in a memoir appended to an earlier report.

In the course of his work among the Hopi Indians, Dr Fewkes succeeded in defining certain steps in the development of the drama. The ceremonies of the folk, like those of other primitive peoples, are primarily fiducial, and involve representation, or even personation, of the deified potencies forming the tribal pantheon. The motive of one of the dramatic-or rather dramaturgicpieces is the growth of corn; and the setting comprises realistic representations of both the maleficent and the beneficent agencies connected with the making of the crop and the development of the plant in general. The performance is designed primarily to invoke the favor of the mysteries by appropriate symbols of both being and action, but an ancillary, or perhaps coordinate, design of this ceremony is the edification (combining instruction and diversion) of the tribe at large. Accordingly a portion of the interior is set apart as a stage, while the greater portion is reserved as an anditorium. Both the mystical and the human powers are represented or personated by actors, who, with their properties, occmpy the stage; and since that part of the mechanism connected with the portrayal of the mysteries is esoteric, a screen is provided
to conceal it and give an air of realism to the performance. The screen is painted with appropriate symbols tending to heighten the illusion to the childlike minds of the audience, and it is perforated to permit the passage of masked effigies representing the mystical potencies, which are operated by shamans hidden behind the screen, something after the fashion of marionettes. The front of the stage is occupied by a symbolized field of corn; it is the rôle of the symbolized potencies representing storm and drought to emerge from their respective apertures in the screen and destroy the symbolic cornfield; but they are opposed in part by musical and other incantations of a group of shamans occupying one side of the stage, and in part by human actors who wrestle with and finally overcome the evil marionettes. The entire dramatization stands on a higher plane than that prevalent among most of the tribes of the territory of the United States, though lower than that reached among the Nahuatlan and Mayan peoples, and reveals various connecting links between primitive dramaturgy and theatrical representation proper. A specially significant feature of the performance is the rôle assigned to human actors in boldly defying, and eventually overcoming, the powers of darkness and evil; for this esthetic feature reflects a noteworthy aspect of industrial development. Dr Fewke's detailed descriptions, with the attendant photographs and drawings, are published in another part of this report.

## Work in Technology

As has been indicated in earlier reports, the researches of the last decade have shown that the esthetic motives of primitive peoples arise in symbolism; and, as was noted in one or two recent reports on the work, various indications have been found that industrial motives similarly arise in symbolism connected with zootheistic faith. The suggestive phase of industrial development is that in which teeth, horns, claws, mandibles, and other animal organs are used as implements or weapons in a manner imitating
more or less closely the natural functions of the organisms. In completing his studies of Seri technic during the year, Mr W J McGee has discovered definite survivals of this stage of industrial development. The favorite Seri awl is the mandible of a bird, and even when the material is hard wood the implement is shaped in imitation of the natural organ; the war shield is a turtle shell or pelican pelt; similarly the arrows and turtle harpoons of the tribe are fitted with a foreshaft usually of hard wood, though there are linguistic and other indications that the use of wood is a vestige of a former use of teeth, probably of the local sea lion; while many of the manual operations are evidently imitative of normal movements of local animals, most of which hold place in the Seri pantheon. These features of the Seri technic throw light on the use of zoic motives in the decoration of primitive weapons, and hence permit the solution of some of the most puzzling problems of American archeology; at the same time they serve to define a stage in industrial development in a manner which appears to be applicable to all primitive peoples. In general, the stage would seem to be antecedent to that defined by the chance-dominated use of stone, which has already been characterized as protolithic; it corresponds with the stage provisionally outlined by Cushing as prelithic; but taking due account of the materials, processes, and motives characteristic of the stage, it may be distinguished as hylozoic, or perhaps better as zoomimic. Accordingly the earlier stages of industrial development may be defined as (1) zoomimic, in which the predominant implements are beast organs, used largely in mimicry of animal movements; (2) protolithic, in which the prevailing implements are stones selected at random and used in ways determined by mechanical chance, and (3) technolithic, in which the prevailing implements are of stone shaped by preconceived designs and used in accordance with the teachings of mechanical experience. This classification of the

[^1]industries is elaborated in an earlier report, the material for which was revised during the year.

In continuing the preparation of his memoir on the contents of the Florida shell mounds and muck beds, Mr Cushing brought out many new examples of that ideative association which forms the basis of zoomimic industry. Several of these examples were found in the muckpreserved implements and weapons of wood firom Florida; others were found in various museums in the form of artifacts of stone, and even of metal, shaped in imitation of animals, or furnished with symbols of animals and animal organs; still others were found in the hieroglyphics and hieratic codices of Mexico and Yucatan. The assemblage of objects seems clearly to indicate that while the zoomimic motive was the primary one and stood nearly alone at and long after its inception, it was not completely displaced by the protolithic or even by the technolithic motives of higher stages, but persisted in connection with these quite up to the time of Cancasian invasion-indeed, it would appear that the zoomimic motive in handicraft was the correlative and concomitant of that zootheism out of which none of the tribes had completely risen up to the time of the Discovery.

In the course of his reconnaissance of the inhabited and ruined pueblos in New Mexico and Arizona, Mr F. W. Hodge, with his companions, brought to light a number of notable examples of stone work. Two types are especially instructive. The first of these is represented by the ruins in Cebollita valley. The stones used in the walls were cleft with great regularity and laid, after careful facing by battering, in such manner as to produce a practically smooth surface, with corners squared almost as neatly as those of a well-laid brick structure. The second type, also represented by ruins in the Cebollita valley, is similar, save that the corners were rounded apparently on a uniform radius, while the stones were dressed in such a manner as to conform to
the curve about as closely as does metal-wrought masonry. The perfection of the stone work of both types suggests Caucasian skill; but the indications of great antiquity, coupled with the absence of binding mortar, and especially the laying of the stones in such manner as to reveal ignorance of the principle of breaking joints, prove that the work was primitive.

In his reconnaissance of the ruins of Little Colorado river, Dr Fewkes reexamined critically the ancient structure discovered by Sitgreaves in 1851, which is of much interest as one of the earliest known ruins of the pueblo country. His observations on the subject are of interest, partly in that they afford a basis for estimating the duration of such ruins when protected from vandalism either by inaccessibility, as in this case, or by such legislative or executive action, as is frequently contemplated by govermmental authorities. The detailed measurements and comparisons will be incorporated in a later report. During the same trip Dr Fewkes discovered a number of additional ruins, including those of cavate dwellings located in the softer layers of heterogeneous volcanic deposit. Some of his observations throw useful light on the methods of excavating such deposits employed by the aborigines, as well as on their general modes of life.

During the autumn it was ascertained that $\mathrm{Dr}^{\prime}$ A. E. Jenks, of the University of Wisconsin, was engaged in a study of the wild rice industry of the aborigines, and it was thought well to take advantage of the opportunity to systemize and place on permanent record the considerahle body of material brought together through his researches. Accordingly provision was made to have Dr Jenks risit various localities in Wisconsin and Minnesota in which the wild rice industry is still carried forward by the Indians, and provision was also made for photographing the rarious operations connected with the harvesting, preserving, and cooking of the protuce. The inquiry derives importance primarily from the large use of wild rice among the aboriginal tribes and incidentally from the
possible utility of the product in enlightened agriculture. The world is indebted to the natives of the Western Hemisphere for several important commodities. Among these corn (that is, maize) occupies the first place; others are the turkey, two or three varieties of beans, certain squashes, besides the remarkable paratriptic tobacco, whose use has spread throughout the world since the time of Raleigh, and there are indications that the wild rice (Zizania) of the region of glacial lakes may constitute a notable addition to the list. Led to the subject by the work of the Burean, the Department of Agriculture has instituted inquiries concerning the extent of the wild rice area and concerning the possibilities of utilization of the resource. Dr Jenks' memoir is incorporated in the Nineteenth Annual Report.

## Work in Soctology

Except when occupied in field work, the Director contimned the synthetic study of demotic activities, and during the year he completed the preliminary outline of the activities expressed in institutions. The science of institutions is commonly designated sociology, after Auguste Comte, Herbert Spencer, and other European writers, and though the term is sometimes loosely used it fairly meets the requirements of scientific exposition. The branch of knowledge which it is used to designate is one of the five coordinate sciences (esthetology, technology, sociology, philology, and sophiology) constituting demonomy, or the system of knowledge pertaining to the human activities. Viewed in its activital aspect, sociology combines several subordinate branches. The first of these is statistics (sometimes called demography), which deals with the units of social organization; the second is economics, which deals especially with the forces and values involved in or controlled by human organization. The third branch of sociology is civics, which may be defined as the science of methods in govermmental action, or in the regulation of the conduct of
associates-methods which have for their normal objects peace, equity, equality, liberty, and charity among the associates. The means of attaining these ends in primitive society have been ascertained almost wholly through the researches in American ethnology; they have been indicated in a brief outline of regimentation appended to an earlier report. The fourth branch of sociology may be noted as historics; it deals with the methods adopted for the maintenance and perpetuation of social organization. Coordinate with these branches is the science of ethics, which deals with the ideal bases and the practical objects of associate organization. The ethics of primitive life have been ascertained almost wholly through observation among the aborigines of America. The ethical relations existing among the tribesmen have been a revelation to students, and no line of ethnologic inquiry has yielded richer results than that pertaining to this subject. An outline of the definition of sociology was printed for the use of students and for the benefit of such suggestions as might be offered by other inquirers, and the discussion was expanded and incorporated in the last report.

The primary purpose of the trip by Mr Hodge and his companions was to ascertain and record the details of social organization as now maintained among the pueblo tribes. As indicated in various publications of the Bureau, the aborigines of America belong in approximately equal proportions to two of the culture-stages defined by social organizations-(1) savagery, in which the institutions are based on consanguinity reckoned in the female line, and (2) barbarism, in which the institutions are founded on consanguinity reckoned in the male line. In some cases a transitional condition has been found, as, for example, among the Muskwaki Indians, who give a patronymic to the first-born child, but in case of its death in infancy revert to the matronymic system; sometimes, again, the basis of the organization is so well concealed as to be obscured, as among the Kiowa Indians (noted in the last
report) ; or, again, the consanguinity may be practically concealed by the overplacement of some other factor, as among the Califormia tribes, who regard language as the dominant factor of their institutions (also noted in the last report) : but the fortuitous relations may commonly be reduced without serious difficulty, and shown not to affect the general fact that the American aborigines belong to the culture-stages of savagery and barbarism in about equal proportions, reckoned on the basis of pop-ulation-though it is to be remembered that the tribes belonging to the higher stage are much the larger and fewer. Now, a recent line of inquiry relates to the causes and conditions of the transition from the first great stage to the second. In the Old World the transition has been fairly correlated with the gradual passage from hunting to herding-there the initial phase of agriculture; but in the western hemisphere the characteristics of the native fauna were not such as to place herding in the van of agricultural development. Accordingly, it has been thought desirable to trace the influence of harvesting and planting, when pursued for generations, on social organization; and the most favorable opportunity for such research was that afforded by the Pueblos. Morever, it seemed desirable to inquire into the rate of the transition, as indicated by records covering a considerable period; and for this purpose also the Pueblos seemed to be admirably adapted, partly since the customs of the people have been subjects of record for three and a half centuries, and partly because their arid habitat is so uninviting as to have practically repelled the invasion of revolutionary methods. It was by reason of his intimate acquaintance with the early records, and also in the hope that he might be able to discover unpublished manuscripts among the ancient archives of the missions, that Dr Elhott Coues, compiler of the American Explorers Series, was attached to the party. Although no noteworthy discoveries of manuscripts were made, a considerable body of data essential to the discussion of social organization in the pueblo region was obtained. Portions of the material are
in preparation for prospective reports, while Mr Hodge is incorporating the data relating to the clans and gentes of the Pueblo peoples in a Cyclopedia of Native Tribes.

During his stay among the Hopi, Dr Fewkes' attention was directed to the interrelation between the tribesmen and certain feral creatures, notably eagles. The eagles are of much consequence to the folk, chiefly as a source of feathers, which are extensively used in ceremonies for symbolic representation; and it appears from the recent observations that particular clans claim and exercise a sort of collective ownership in certain families of eagles, perhaps homing in distant mountains; and that this right is commonly recognized by other clans, and even by neighboring tribes. Thus the relation affords a striking example of that condition of toleration between animals and men which normally precedes domestication, and forms the first step in zooculture, as has been set forth in preceding reports. These relations, together with the methods of capture, have been described in a preliminary paper.

## Work in Philology

During the later months of the fiscal year the Director resumed the synthesis of the native American languages, and the comparison of these with other tongues, with the view of defining the principles of philology on a comprehensive basis. The task was one of magnitude; the records in the Burean archives comprise more or less complete vocabularies and grammars of several hundred dialects, representing the sixty or more linguistic stocks of North America; and the study necessarily extended not only over this material but over a considerable part of the published records of other languages, both primitive and advanced; it was, however, completed in time for publication in the last report.

In connection with the general linguistic researches it was deemed necessary to extend the classification of stocks southward over Mexico and Central America; and this extension was undertaken with the aid of Dr Cyrus

Thomas, whose researches concerning the native codices of Mexico and Yucatan have familiarized him with the literature of these and neighboring regions, and to some extent with the aboriginal languages. Dr Thomas devoted several months to the work; and about the close of the fiscal year he had completed a provisional classification and map of native linguistic stocks in Mexico and Central America, designed to supplement the classification and map of the American Indians north of Mexico published in the Seventh Ammual Report. The material remains in the hands of the Director for use in general study and for revision for publication.

As noted above, Dr Albert S. Gatschet risited Nova Scotia early in the fiscal year for the purpose of completing his collections of the northeastermmost Algonquian tongues, and his collections will enable him to round out the comparative vocabulary of Algonquian dialects so far as the tribes of northeastern United States and the contiguous territory are concerned. His work on Cape Breton Island was especially fruitful. On returning to the office he resumed the extraction of lexic and grammatic material, and pushed forward the preparation of the comparative vocabulary ; and in connection with this work he prepared synthetic characterizations of the principal elements of several typical dialects, including the Kataba of the Siouan stock.

Mr J. N. B. Hewitt continned the preparation of his memoir on the comparative mythology of the Iroquoian tribes. On juxtaposing the principal cosmogonic myths of the several tribes, found various indications of incompleteness, and it was chiefly for the purpose of rerifying certain of the versions that he revisited Ontario, as has already been noted. He succeeded in obtaining a considerable body of new data, and after his return from the field he made good progress in the preparation of his memoir, a part of which has been incorporated in another part of this report. Early in the fiscal year Mr Hewitt made a notable comparison between the Seri language, as
recorded recently by Mr McGee (and as previously obtained from an expatriated Seri man at Hermosillo by M Pinart, Commissioner Bartlett, and Señor Tenochio), with the Yuman, Piman, and other southwestern dialects recorded by various explorers. For a time the language of the Seri was supposed to be related to the tongues of the Yuman stock; but Mr. Hewitt's exhaustive study of the extensive body of material now preserved in the Bureau archives seems to demonstrate the absence of such relation, and to indicate that the language of the tribe represents a distinct stock. Accordingly the classification of Orozco y Berra and other Mexican scholars of the middle of the century is revived; and in conformity with the principles of nomenclature and classification announced in the Seventh Annual Report, the definition of the language, dialects, and tribes is as follows:

Stack

Serian.

Dialects and tribes Seri (extant). Tepoka (recently extinct). Guayma (long extinct). Upanguayma (long extinct).

In the course of his stay in the Hopi village, Dr Fewkes was so fortunate as to obtain copies of a series of paintings representing the tribal pantheon. The series comprises some four hundred representations, mostly on separate sheets; the pictures partake of the characteristics of the petroglyphs and calendric inscriptions such as those described by the late Colonel Mallery; they also present suggestive similarities to the codices of more southerly regions. The entire series, reproduced in facsimile, is incorporated in another part of this report.

One of the best known contributions to American aboriginal linguistics is the Eliot Bible, published in the Natick language in 1663 and 1685. This contribution was supplemented in a highly notable way during the present century through the labors of the late James Hammond Trumbull, who compiled from the Bible, with the aid of other sources of information at his command, a vocabulary of the Natick
tongue. Unfortunately for students, this compilation was not published; but on the death of Dr Trumbull, in 1897, it passed into the custody of the American Antiquarian Society, at Worcester, Massachusetts. Here it attracted the attention of scholars and publicists, including Dr Edward Everett Hale; and it was proposed by Dr Hale, with others, to offer the manuscript to the Bureau for publication. Among the scholars interested in this and cognate publications relating to the aborigines was the Honorable Ernest W. Roberts, Representative of the Seventh Massachusetts district in the Congress; and at his instance authority was granted for resuming the publication of bulletins by the Bureau. Accordingly, when Dr Hale, early in 1900, brought the valuable manuscript of the Trumbull Dictionary to Washington it was assigued for publication as the first of the new series of bulletins (number 25). Before the close of the fiscal year the composition was well under way, while Dr Hale was engaged in the preparation of a historical introduction.

Another contribution of the first importance to knowledge of the aboriginal American languages is the vocabulary of the Maya tongue, compiled during the earlier decades of Spanish occupation and well known to scholars (though never printed) as the Diccionario de Motul. Two or three copies of the work are extant in manuscript; one of these passed into the possession of the late Dr Carlos H. Berendt about the middle of the present century, and in the course of a lengthy stay in Yucatan he undertook to revise and complete the vocabulary and to bring it up to date by the introduction of all Maya terms in modern use. Dr Berendt's additions nearly doubled the volume of the original manuscript, and greatly enhanced its value; unfortunately he died before his plan for publication was carried out. Before his death, however, he turned the manuscript over to the late Dr Daniel G. Brinton, of Philadelphia, in order that it might be published in that ethnologist's Library of Aboriginal American Literature. Finding the work too extensive for his facilities, Dr Brinton made a provisional
arrangement, before his death, in July, 1899, to transfer the manuscript to the Bureau; and after his decease the arrangement was carried out by his legatees and executors, including the University of Pennsylvania, to which institution his valuable library was bequeathed. Both the original vocabulary and Dr Berendt's supplement are in Maya-Spanish and Spanish-Maya; and, as a necessary preliminary to publication by the Bureau, a transcription was begun by Miss Jessie E. Thomas, assistant librarian, and a student of the Maya language. Toward the close of the fiscal year Señor Audomaro Molina, of Merida, Yuca tan, an eminent student of the Maya language, visited this country, and, learning of the proposal to publish the Diccionario de Motul, came to Washington to proffer his services in any further revision of the material that might seem desirable. His offer was gladly accepted, and provision was made for supplying him with copies of the transcript of the vocabulary.

During the year Dr Franz Boas made additional contributions of importance to the linguistic collections of the Bureau. He also completed a second volume of Chinook texts, which would have been sent to press before the close of the fiscal year except for his prospective absence in field work and the consequent delay in proof revision. The matter will be incorporated in an early report or bulletin.

## Work in Sophiology

In pursuing his investigation of the time-concept of Papago Indians, as noted in the last report, Mr McGee was led to a study of the relations existing between this notably altruistic tribe and their hard physical environment; and clear indications were found that with the degree of cultural development possessed by the Papago, the tendency of a severe environment is to develop altruism. At the same time itwas noted that the neighboring Seri tribe, surrounded by an environment of similar characteristics in many respects, are notably egoistic and
inimical toward contemporaries; and the striking differences led to further research concerning the interrelations between human gromps and their physical sur-roundings-interrelations which may conveniently be styled adaptions. Now, when the study was extended to other tribes, it hecame manifest that such adaptions may be arranged in serial order, and that when they are so arranged the Seri stand at the end of the series marking the most intimate interaction between mind and externals, while the Papago stand in the front rank of aboriginal tribes as graded by power of nature-conquest; and from this point it is easy to extend the scale into civiliza tion and enlightemment, in which men control rather than submit to control by their physical surroundings. The serial arrangement of peoples in terms of relative capacity in nature-conquest can hardly be deemed new, though the special examples (particularly the notably primitive Seri) are peculiarly instructive; but the successive adaptions thus defined were found unexpectedly significant in measuring various degrees of interdependence between environment and thought, for it became evident in the light of specific examples that the habitual thought, like the habitual action, of an isolated and primitive folk is a continuous and continuously integrated reflection of enviroument. On pursuing the relations it was found that the Seri, habitually submitting to a harsh environment as they do, merely reflect its harshness in their conduct, and that the Papago, seeking habitually to control environment in the interests of their kind as they do, are raised by their efforts to higher planes of lumanity. The general relation between thought and surroundings was found to be of exceedingly broad application, extending far beyond the local tribes. Indeed, it finds most definite expression in the current scientific teaching that knowledge arises in experience; and it seemed desirable to formulate the relation as a principle of knowledge which may appropriately be styled the Responsivity of Mind. The principle promises to be especially useful to ethuologists confronted with those suggestive similarities in arti-
facts, habits, and even languages, which were interpreted as evidences of former contact until their incongruity with geographic and other facts proved them to be coincidental merely, for the interdependence of thought and environment offers an adequate explanation of the coincidences, while the diminishing dependence of thought on environment with cultural advancement equally explains the preponderence of such coincidences among lowly peoples. A preliminary announcement of the results of the study has been made, but full publication is withheld pending further field work.

Mr James Mooney spent the greater part of the fiscal year in elaborating for publication the extensive collection of material made by him among the Cherokee Indians several years ago. The collection comprises a nearly complete series of the myths and traditions of the tribe, cosmogonic, historical, interpretative, and trivial; for among the Cherokee, as among other primitive peoples, the traditions vary widely in character and purpose. Mr. Mooney's collections are peculiarly valuable in that they are so complete as to indicate the genesis and development of the tribal traditions. It would appear that the parent myth usually begins as a trivial story or fable, perhaps carrying a moral and thus introducing and fixing some precept for the guidance of conduct; the great majority of these fables drop out of the current lore within the generation in which they are born, but those chancing to touch the local life strongly or happening to glow with local genius survive and are handed down to later generations. The transmitted fables form a part of the lore repeated by the eldermen and elderwomen night after night to while away the long evenings by the camp fire, and in this way they become impressed on the memory and imagination of the younger associates; for under the conditions of prescriptorial life they come to take the place of learning and literature in the growing mind of the youth. In the successive repetitions the weaker fables are eliminated, while the more vigorous are gradually combined and eventually strung together in an
order made definite by custom; at the same time they acquire sacredness with age, and some of them become so far esoteric that they may not be repeated by youths, or perhaps even by laymen, when they are the exclusive property of sages or shamans. Now, the fable in itself is seldom vigorous enough to pass unaided into the esoteric lore of the tribe; but when it serves to interpret some interesting natural phenomenon, either in its original form or in its subsequent association, it is thereby fertilized, and, with the combined vitality of fable and interpretation, enjoys greatly increased chance of survival. Sometimes the historical element is also added, when the composite intellectual structure is still further strengthened, and may persist until history blends with fancypainted prehistory, and the story becomes a full-fledged cosmogonic myth. Accordingly, the character and the age of myths are correlated in significant fashion. Mr Mooney's memoir is incorporated in the Nineteenth Annual Report, which was sent to the printer on March 28 , and proofs were in hand before the close of the fiscal year. Since it is the first of a series of memoirs on the Cherokee by the same author, it was thought well to preface the publication with an extended review of the his tory of the Cherokee Indians from the time of their first contact with the whites, and in collecting material for this historical sketch Mr Mooney was able to throw new light not only on the movements of the tribesmen themselves, but on the routes of travel taken by varions explorers, from De Soto down.

Although handicapped by illness, Mrs M. C. Stevenson continued the preparation of the final chapters in her monograph on Zuñi mythology and ceremonies. The work was nearly completed at the end of the fiscal year.

Dr Fewkes's observations on the winter ceremonies of the Hopi Indians yielded important data of the nature suggested in previous paragraphs, and on his return from the field he at once took up the preparation of a memoir designed for incorporation in an early report.

A notable acquisition of the year was the Pawnee
ritual known as the Hako, obtained by Miss Alice C. Fletcher. Its basis is one of those house ceremonies which hold so large a place in aboriginal thought; and it is so exceptionally full at once as to reveal some of the most strictly characteristic phases of primitive thought and to illumine the simpler house rituals already recorded. It is cosmogonic in import, and thus reflects the faith of the tribe. At the same time its details indicate the tribal migrations for many generations. It reveals primitive notions concerning the origin of fire and the relations of this agency to deified animals. It comprises a partially archaic vocabulary, which promises to throw light on tribal affinities, and it includes rhythmic and fundamental melodic features which contribute in important degree to knowledge of aboriginal music. The entire ritual, including the musical accompaniment, is well advanced in preparation for the Twenty-second Report.

Dr Cyrus Thomas continued the examination of Mayan and Mexican aboriginal number systems, with special reference to the Mayan and Mexican calendar systems. Early in 1900 he completed a memoir on the subject, entitled "Mayan Calendar Systems," which was incorporated in the Nineteenth Annual Report. Later in the fiscal year he coutinued in cognate work, making gratify ing progress. One of the most interesting features of aboriginal culture to the scholars of the world is the series of highly developed calendric systems extending from Mexico on the north to Peru on the south; these systems reflect a knowledge of astronomy considerably less advanced than that prevailing in Chaldea and Egypt at the beginuing of written history, yet sufficiently advanced to indicate the beginnings of astronomic observation and generalization, and thus to define a stage of scientific development of which the Old World record is practically lost. Accordingly Dr Thomas's researches are deemed especially valuable to scholars.

As has been noted, Mr J. N. B. Hewitt has applied the comparative method to the study of aboriginal traditions with excellent results. During the closing months of the
fiscal year he was occupied in revising his memoir on Iroquoian mythology, and incorporating certain important data obtained during his winter trip. The material is nearly ready for the press.

## Work in Descritptive Ethnologiy

Except during the time spent in field work, Mr F'. W. Hodge was occupied in arranging material for the Cyclopedia of Native Tribes and in editorial work. In the former task he was aided during a part of the year by Dr Cyrus Thomas, and in the latter by Col. F. F. Hilder, ethnologic translator, and Mr H. S. Wood, assistant editor. Dr Thomas finished the revision of the Cyclopedia cards pertaining to the Siouan stock early in the fiscal year; accordingly this portion of the work is ready for publication save for the requisite editorial scrutiny. The plan for the Cyclopedia has been set forth in some detail in earlier reports and need not be repeated.

## Publication

Mr F. W. Hodge remained in charge of the editorial work, with the assistance of Colonel F. F. Hilder during the earlier part of the year and of MrH. S. Wood during Colonel Hilder's absence in the Philippines. The second part of the Seventeenth Annual Report was received from the Government Printing Office during the year, though the first part was unfortunately delayed. The printing of the Eighteenth Report was practically completed. The Nineteenth Report was transmitted for publication on March 28, and the composition of this report and also of the first bulletin of the new series was under way before the close of the fiscal year.

Mr DeLancey Gill, the illustrator of the Bureau, remained in charge of the photographic work and of the preparation of copy for the frequently elaborate illustrations required in presenting adequately the results of the researches.

## Library

The work in the library of the Burean was maintained under the supervision of Mr Hodge. During the greater
part of the fiscal year he had the assistance of Mrs Lucretia M. Waring, who made good progress in the cataloguing of the books and pamphets in accordance with the classification of anthropic science developed in the Bureau. The number of books and pamphlets on hand at the close of the fiscal year is about 12,000 and 6,000 , respectively.

## COLLECTIONS

Collaborators engaged in field work made more or less extensive collections for use in their researches, and for subsequent transfer to the National Museum; and, in addition, a number of special collections were acquired. Conspicuous among these was the Hudson basketry collection, from California, for which negotiations were opened during the last fiscal year, though the material was received and installed during the current year; it is regarded as one of the most instructive collections of American aboriginal basketry extant, and its possession, in connection with the very considerable collections of corresponding ware already in the Institution, places the National Museum in a foremost position among the museums of the world so far as opportunities for study of primitive basketry are concerned. Another noteworthy collection was that of Mr J. B. Hatcher in Patagonia, of which the final portions were received during the fiscal year, together with a good series of photographs illustrating the use of artifacts, the construction of habitations, etc.; while various collections of objects required to complete series were acquired by purchase. Among the minor collections was an exceptionally fine one of copper implements from the Lake Superior region; these implements were noteworthy in that they were, while of aboriginal design, wrought with metal tools in such wise as to slow the influence of Caucasian contact; so that the collection forms an instructive example of acculturation, and serves as a useful guide in the classification of other copper objects in the Museum. A particularly useful series of
stone implements, known as the Steiner collection, was also among the acquisitions of the year.

Althongh collateral to the work of the Burean, it is proper to report that Colonel F. F. Hilder, ethnologic translator and acting chief clerk of the Burean, was, on January 16, 1900, detailed to the Govermment Board of the Pan-American Exposition, and that under a commission from that Board he visited the Philippine islands and made extensive collections of ethologic and archeologic material, with the understanding that, after use during the exposition, a considerable portion of it should be transferred to the National Museum. Toward the close of the year Colonel Hilder reported the shipment of extensive collections, together with a good series of photographs and drawings designed for use in the installation. Incidentally he availed himself of opportunities to obtain certain useful ethnologic literature required for the library of the Bureau.

## PROPERTY

As has been explained in previous reports, the property of the Bureau is practically limited to (1) office furniture and other appurtenances to office work, (2) ethnologic manuscripts and other records of original work, (3) photographs and drawings of Indian subjects, (4) a small working library, (5) collections held temporarily by collaborators for use in research, and (6) undistributed residua of the editions of the Bureau publications. During the fiscal year there has been no noteworthy change in the amount or value of the office property; a considerable number of manuscripts (including two of special value noted in earlier paragraphs) have been added to the archives, either temporarily or permanently; over a thonsand photographic negatives and several hundred prints and drawings have been added to the collection of illustrative material, while the library has maintained normal growth, chiefly through exchanges. There was no considerable accumulation or transfer of objective material required for study during the year, while there was a consider-
able reduction in the number of back reports through the constantly increasing public demand for ethnologic literature.

## NECROLOGY

## Frank Hamilton Cushing

It is with much sorrow that I have to report the death of Frank Hamilton Cushing, ethnologist in the Bureau, on April 10, 1900.

Frank Hamilton Cushing was born in Northeast, Pemnsylvania, July 22, 1857. At first a physical weakling, he drew away from the customary associations of childhood and youth and fell into a remarkable companionship with nature; and as the growth of the frail body lagged, his mental powers grew in such wise as to separate him still further from more conventional associates. In childhood he found "sermons in stones and books in running brooks"; and in youth his school was the forest about his father's homestead in central New York. There his taste for nature was intensified, and the habit of interpreting things in accordance with natural principles, rather than conventional axioms, grew so strong as to control his later life. Meantime, relieved of the constant waste of mentality through the friction of social relation, his mind gained in vigor and force; he became a genius.

At 9 years of age Cushing's attention was attracted by Indian arrowpoints found in his neighborhood, and he began a collection which grew into a museum and laboratory housed in a wigwam erected hy him in a retired part of the family homestead; and his interest and knowledge grew until at 18 he went to Cornell already an expert capable of instructing the teachers. Perhaps by reason of his close communion with nature, he early fell into a habit of thought not unlike that of the primitive arrow maker, and even before he knew the living Indian, grew into sympathy with Indian art, Indian methods, Indian motives. So, in his wigwan laboratory and later at Cornell and elsewhere, he began to reproduce chipped stone arrow points and other aboriginal artifacts by processes
similar to those of the native artisans; in this art he attained skill to a unique degree, and throngh it he gained mique moderstanding of the processes of primitive men. In 1874, at the age of 17, he sent to Secretary Baird an account of the Antiqnities of Orleans Comnty, N. I., which was published in the Smithsonian Report for that year; this was based on his wigwam collection, which later passed into the National Mnsemm. In 1876 he had charge of a portion of the National Musenm collection at the Centennial Exposition in Philadelphia, where he edified visiting archeologists by his interpretation and imitation of native handicraft; for his skill extended from stone chipping to pottery making, basket building, wear ing, skin dressing, and all other native arts. In 1879 Major Powell employed him in the Bureau of American Ethnology, at first in collecting artifacts from the pneblos; but the innate sympathy with simple life acquired in his isolated boyhood soon brought him into intimate relations with the living tribesmen, and the bond became so strong that he decided to remain at Zani, where for five years he was as one of the tribe. After mastering the language he acquainted himself with the Zuni arts and industries; he was adopted into the ancient Macaw clan and the sacred name " Medicine-flower,'" bor'ne by only one person in a lifetime, was given him; then he was initiated into tribal fraternities and gradnally indncted into the religions ceremonies and mysteries; and long before he left the preblo he was second chief of the tribe, the Head Priest of the Bow, and lived in the family of the gorernor, wearing native costnme, eating native food, and participating in all native occmpations and pastimes. Such was Cushing's college comrse in ethnology.

When he left Zunii Mr Cushing brought with him to Boston and other Eastern cities a party of Zuñi headmen and priests, who attracted mnch attention and awakened deep interest in aboriginal life. One of the resnlts was the organization of the Hemenway Archeological Expedition, endowed by the late Mrs Mary Hemenway, of Boston; in 1886-88 Mr Cushing had charge of the work.

Subsequently he returned to the service of the Bureau, and began preparing for publication the records of his researches in Zuni; a part of this material was published in the Thirteenth Report under the title "Outlines of Zuni Creation Myths." His health failing to an extent requiring a change, he was assigned to duty in Florida, where he made an archeologic survey no less remarkable for the breadth of view with which it was conducted than for the wealth of material produced from shell mounds and peat-lined lagoons. He was actively engaged in preparing the results of this work for publication when a slight accident (the swallowing of a fish bone) proved too much for the vital thread, never strong and much enfeebled by whole-hearted and absorbing devotion to duty under trying conditions in Zuñi and in Florida. So his professional career ended. He died April 10, 1900.

Cushing was a man of genius. The history of the human world has been shaped by a few men; the multitudes have lived and worked and ended their days under. the leadership of these few. Most of the geniuses who have shaped the history of later times shone as intellectual luminaries alone. Cushing stood out not only as a man of intellect, but preeminently as a master of those manual concepts to which he gave name as well as meaningindeed, he might fittingly be styled a manual genins. There are two sides to man, two correlative and reciprocal aspects-the hand side and the brain side. Human development begins in the child, and began in our earliest ancestry so far as we are able to think, chiefly in the perfecting of the hand; for throughout the human world men do before they know-indeed, the greater part of knowing is always preceded by generations of doing. So humanity's dawn was doubtless brightened through manual genins; then came those later millenniums in which the brain side of man rose into dominance and illumined progress-and this was the time of intellectual geniuses. Of late science has arisen, and men have turned to the contemplation of nature and have been led thence to the conquest of natural forces. In the strife
against dull nature the mannal side of man has again come into prominence, and the pages of later history are emblazoned with the names of inventors and experimentalists in whom the hand side and the brain side have attained perfect union. To this class of men Cushing belonged; yet the application of his genius was peculiar, even unique, in that his efforts were expended in interpreting inventions by others rather than in making inventions of his own. This application of his powers rendered him successful beyond parallel in retracing the paths pursued by primal men in their slow advance toward manual and mechanical skill; and it was through this peculiar application that Cushing's richest contributions to the science of man were made.

By reason of his peculiar insight into primitive devices and motives Cushing was a teacher of his colaborers, even of those whose years were more than his own. His mind responded readily to the impact of new sights, new thonghts, new knowledge; hence he was fertile in hypothesis, fruitful in suggestion, an avant-courier in research, a leader in interpretation. All his associates profited by his originality and learned much of him. The debt of American ethnology to Cushing is large.

## Elliott Coues

On December 25, 1899, Dr Elliott Cones died suddenly. While he was not an officer of the Bureau, he had frequently cooperated with the Director and the collaborators, especially during the earlier portion of the fiscal year, when he was attached to a party engaged in work in the pueblo region. An enthusiastic student of early American history, he was brought in frequent touch with ethnologists and ethnologic problems, thereby acquiring extended and accurate knowledge of the aborigines; hence his death was a serious loss to the science.

## Walter J. Hoffaian

Dr Walter J. Hoffman, for many years all attaché of the Bureau, died November 8, 1899. He entered the Bureau in its earlier years as an assistant to the late

Colonel Garrick Mallery, and spent some years in the collection of petroglyphs and other aboriginal records. Subsequently he made independent studies in different tribes, notably the Menomini of Wisconsin. His principal publications in the Bureau reports are "The Midewiwin, or Grand Medicine Society of the Ojibwa," in the Seventh Report, and "The Menomini Indians," in the Fourteenth Report. His connection with the Bureau was temporarily severed in 1895, when he undertook certain special work for the United States National Museum. In 1897 he was appointed United States consul at Mannheim, Germany, where he availed himself of opportunities for study of aboriginal American collections and records. His health failing, he returned in the autumn of 1899 to his home near Reading, Pa., where his death occurred. Although he was but 53 years of age at the time of his death, he was one of the pioneers in American ethnology.

## FINANCIAL STATEMENT

[^2]
## ACCOMPANYING PAPERS

Two papers of very considerable ethnological importance are appended to this report. The first is by Dr J. W. Fewkes, ethnologist, and relates to certain supernatural beings of the Hopi Indian pantheon known as katcinas. The work is profusely illustrated by a series of colored plates reproduced from the original drawings made by a native artist well versed in the symbolism of his people. The drawings and the data relating to them were collected by Doctor Fewkes in 1900.

The tribes of the old province of Tusayan form a unique group among the American aborigines, their history and culture being of extreme interest to the ethnologist. They have been studied in part by a number of able eth nologists, but our knowledge of their history and culture is yet far from satisfactory. Doctor Fewkes's study of the Hopi katcinas covers new ground and throws fresh light on the religious customs and art of these people.

The second paper is by Mr J. N. B. Hewitt, ethnologist, and embodies three versions of the cosmologic myth of the Iroquoian tribes of New York and Canada. In order to convey a definite and full understanding of the native concepts embodied in these myths, Mr Hewitt has recorded them. in the most painstaking manner in the Iroquoian vernacular, adding interlinear and very literal translations, in which he recasts the barbaric thought as far as possible in English words; these are accompanied by free translations into English, which are, however, permitted to retain still something of the idiomatic quaintness of the original tongue. It may be safely assumed that philologists as well as students of primitive philosophy and myth will find in these contributions to the history of the Iroquois much of interest and value, since Mr Hewitt is not only an accomplished linguist but is master of the Tuscarora language and readily translates the other northern Iroquoian dialects.

> ACCOMPANYING PAPERS

# HOPIKATOINAS DRAWN IV NATITF IRTISTS <br> 1 

. TEAEF WALTEF? FEWKKES

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# HOPI KATCINAS 

DRAWN BY NATIVE ARTISTS

By Jesse Walter Fewfes

## INTRODUCTION

The Hopi Indians represent their gods in several ways, one of which is by personation-by wearing masks or garments bearing symbols that are regarded as characteristic of those beings. The symbols depicted on these masks and garments rary considerably, but are readily recognized and identified by the Indians.

At each festival in which these supernatural beings are personated the symbols are repainted, and continued practice has led to a high development of this kind of artistic work, many of the Indians having become expert in painting the symbols characteristic of the gods.

Beliering that a series of pictures made by the cleverest artists among the Hopis would be a valuable means of studying the symbolism of the tribe, the author hired one of them to make him a series of drawings of all the personations of supernatural beings which appear in Hopi festivals. This method wats suggested by an examination of Mexican codices, especially the celebrated mannscript of Padre Sahagun, now in Madrid, the illustrations in which are said to have been made by Indians, and Chavero's Lienzo de Tlascala, lately (1892) published by the Mexican government.

The author found several Hopi men competent to paint a collection of pictures of the kind desired, and finally chose for that work Kutcahonaun, " or White-bear, a man about 30 years old, who was believed to be the ablest of all who were considered. This Hopi lad picked up a slight knowledge of English at the Keams Canyon selool, and while his method of drawing may have been somewhat influenced by instruction there, this modifying influence is believed to be rery slight, as the figures themselver show.

His uncle, Homovi. who bas never been to school, and is unacquainted with the English language, drew some of the hest pictures, the technique of which is so like his nephew's that it is safe to conclude that the drawings of the latter are aboriginal in character. A few of the pictures were drawn by Winuta, whose work, like that of Homovi, is unmodified by white influence. A boy who had attended a Government school in Lawtence, Kansas, also made a few paintings, but as they show the influence of instruction in this sehool they are not valnable for the purpose had in mind in publishing this collection, and they have not been reprodnced here.

While, then, their character has possibly been somewhat influenced by foreign art, the pictures here reproduced and deneribed may be regarded as pure Hopi, and ats works little affected by the white teachers with whom of late these people have come into more intimate contact than ever before.

To facilitate the painting the anthor provided the artists with paper, pencils, brnshes, and pigments; be left the execution of the work wholly to the Indians, no snggestion being made save the name of the god whose representation was desired. They carried the materials to the mesa, and in a few days returned with a half-dozen paintings, which were found to be so good that they were encouraged to continue the work. In some instances, the artists painted pictures of gods which the author had nerer seen personated.

When the paintings were delivered, the author wrote under them the names of the beings represented, with such information as could be gathered concerning the special symbolism upon them. Later other Hopis were asked to identify the pictures, which they readily did, the names they gave being nearly always the same as those given by the artists. This independent identification was repeated many times with different persons, and the replies rerified one another almost without exception. The talks about the paintings elicited new facts regarding the symbolism and the nature of the heings represented which could not have been acquired in other ways. Sereral men made critical suggestions which were of great value regarding the fidelity of the work and embodied information which is incorporated in the exposition of the collection. It one time the reputation of these pictures was so noised about in the pueblos that visitors came from neighboring villages to see them. At first the collection was freely offered to all comers for inspection. on account of the possibility that new information might be thus gathered, until some person circulated a report that it was sorcery to make these pictures, and this gossip sorely troubled the painters and scriously hampered them in their work, but the anthor was able to persmade the artists and the more intelligent visitors that no harin would come to them on account of the collection.

The pietures were made primarily to illustrate symbols and symbolie paraphernalia used in the personation of the gods, but incidentally they show the ability of the Hopis in painting, a form of artistie expression which is very ancient among them. The painting of figures on ancient pottery from Tusayan, illustrated in a collection from Sikyatki, leares no question of the ahility of the ancient Hopi women in this form of expression. ${ }^{a}$ As speeimens of pictorial art the pictures here presented eompare rery well with some of the Mexican and Mayan codices. They represent men personating the gods, as they appear in religious festivals, and duplicate the symbols on certain images, called dolls, whieh represent the same beings. A consideration of some of the more characteristic dolls in semblance of gods is given elesewhere. ${ }^{\text {b }}$

When a Hopi draws a picture or cuts an image of a god, either a doll or an idol, he gives the greatest care to the representation of the head. The symbols on the head are characteristic, and its size is generally out of proportion to that of the other parts. When these same gods are personated by men the symbols are ordinarily painted on masks or helmets; eonsequently the heads of the figures may be said to represent masks or helmets of personators.

The personations which are here figured generally appear in winter festivals or ceremonies, a more detailed account of which will be given elsewhere, but it has seemed well to preface this description of the pictures with brief summaries of great festivals in which the figures represented are specially prominent, and to make such reference to others as may be necessary. The great festivals, called Pamürti, ${ }^{c}$ Powamû, and Palülükoñti or Añkwañti, are celebrated in January, February, and Mareh.

The personations are called katcinas; the nature of these merits a brief consideration.

Primitive man regards everything as possessed of magic power allied to what we call life, capable of aetion for good or evil. This rital power, he believes, is direeted by will; it was probably first identified with motion. To the savage whaterer moves has a benefieent or malevolent power, sometimes called medicine, the action of which is always mysterious. Tarious symbols have been adopted by primitive man to represent this power, and many terms are used to define it. Among these symbols words for breath in various languages are perhaps the most widely spread among different races. The power of motion direeted by will to do harm or good thus comes in English to he known as spirit or soul. The doctrine of medicine power or of spirits is commonly ealled animism.

[^3]Early man rarely generalized. Every object, organic and inorganic, had a spirit. hut these spirits, like the objects themselves, were thought of as concrete. The spirit of the tree had little in common with the spirit of the sun. To distinguish these differences symbolic personifications were called in, and the medieine power of objects was embodied in objective comprehensible form; thus the medicine power of the sum presented itself as an eagle, that of the earth as a spider.

It wonld appear, also, that in case of the magie or medieme power of man, there was a universal belief that it existed and was potent after death. The breath-body or spirit of man was believed to have a continued existence after the death of the body, retaining powers of good and bad action, a belief which led to worship. The kateinas are spirits of the ancients of the Hopis, and personations of them by men bear the symbols which are supposed to have characterized these ancients.

While the term katcina was originally limited to the spirits, or personified medicine power, of ancients, personifieations of a similar power in other objects have likewise come to be ealled kateinas. Thus the magie power or medicine of the sun may be called katcina, or that of the carth may be known by the same general name, this use of the term being eommon among the Hopis. The term may also be applied to personations of these spirits or medicine poteneies by men or their representation hy pietures or graven objects, or by other means. As applied to a dance in which the personations appear, the term is secondary and derivative.

The word "medicine" is here used in its ancient meaning, not as in modern English. It is misleading to apply such terms as "spirit," "soul," and "medicine," with the modified meanings which they now have, to beliefs of primitive man. When these words originated they were applicable to such beliefs, hat in the evolution of culture their meanings have changed, and they are now symbols of beliefs that are very different from those which they originally represented.

In the Mopi ritual there are dramatic eclebrations of the arrival and departure of the katcinas. Certain clans have special festivals in which they dramatize the adrent of their clan-ancients; thus the Kateina clan represents it in a festival ealled Powamû, the Asa elan in Paminti, the Pathi clan in Soyaluña. Kindred clans unite with the more prominent in the dramatization of the advent of their clanancients. There is only one dramatization of the departure of clanancients, a festival which is called the Niman (departure), and which oceurs in July. Personations of the same clan-ancients do not appear every year at a stated time; in some years they are more numerons than in others, as quadremially, when certain initiation ceremonies are performed. Particular personations are preseribed for great festivals like Pannürti, Powamin, and Palülükoñti, and these appear yearly, but
there are others whose appearance depends on the inclination of the owner of the masks or on other causes, on which account the personnel of the actors in the festivals changes year by year without, however, there being any fundamental modifications.

The author has repeatedly been informed by the Hopis that the number of katcinas is very great, much greater than the number figured, especially if all those mentioned in traditions are included. When we reflect upon the probable way these supernaturals have been added to the Hopi Olympus, we may gain some idea of their possible number, for each clan as it joined the Hopi population brought its own gods, and, as the clans came from distant pueblos, where environmental conditions differed, each had a mythologic system in some respects characteristic. Many Hopi clans have-in course of time become extinct, and with their disappearance their old masks have passed into the keeping of kindred clans, to whom they are now known as "ancient," being never used. The distinctive names of such have been lost, but in some cases the mask still retains its symbols. Then there is a constant increase in the numbers of katcinas; not only are the Hopis acquainted with many katcinas that are no longer personated, but they are also continually introducing new ones. Thus the katcinas called Chicken, Cow, and many others which might be mentioned, have made their appearance in the last decade. It is not difficult to see how this may have been brought about. A man goes on a risit to Zuñi or some Rio Grande pueblo and witnesses a personation of a katcina which, on returning to his own home, he introduces into the Hopi ritual. This process of introduction has been going on for many years, so that we have katcinas called Navaho, Kawaika (Keresan), Pima, Apache, and others of foreign derivation. Thus not only have clans introduced new katcinas from time to time, but individuals have done the same, and in many instances this introduction has taken place so lately that the name of the man who brought them is known, as he is still living in the pueblo.

Of the masked personations among the Hopis some, as Tuñwup, Ahül, and Natacka, always appear in certain great ceremonies at stated times of the year. Others are sporadic, having no direct relation to any particular ceremony, and may be represented in any of the winter or summer months. They give variety to the annual dances, but are not regarded as essential to them, and merely to afford such variety many are revived after long disuse. Each year many katcinas may be added to any ceremony from the great amount of reserve material with which the Hopis are familiar. Some have become extinct, and knowledge of them remains only in the memory of old men, or now and then one may be recalled to mind by an ancient mask hanging in a darkened room. Thus, it is seen that within certain İmits a change

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is continually going on in the character of the personations in masked dances. It is more especially to the ancient or almost forgoten varieties that we should look for aid in making a classification of katcinas.
The pictures have been arranged primarily on a basis of the sequence of appearance in the annual calendar. Possibly a more comprehensive elassitication of the pictures might be made with reference to the clans which introduced them, and tables are given with that thought in mind, but there is little possibility that a classification of this kind can be made complete, since the clan origin of many katcinas will always remain unknown.

The classification of katcinas by names leads to important results, but the nomenclature, for many reasons, is often deceptive. The same god may have several attributal or clan names which have survived from the different languages spoken originally by eomponent clans of the tribe. Certain peculiaritics of song or step of the personator, or a marked or striking symbol on his paraphermalia, may have given a name having no relation to the spirit personated. Keeping this fact in mind, and remembering the permanency of symbols and the changeability of nomenclature, we are able to discover the identity of personations bearing widely different names.

An important aspect of the study of these pictures is the light their names often throw on their derivation. We find some of them called by Zuñian, others by Keresan, Tanoan, Piman, and Yuman names, according to their derivation. Others have names which are distinctly Hopi. This composite nomenclature of their gods is but a reflection of the Hopi language, which is a mosaie of many different linguistic stocks. No race illustrates better than the Mopi the perpetual changes going on in languages which Payne so ably discusses in the second volume of his History of America. The successive clans which united with the original settlers at Walpi introduced many words of their peculiar idioms, and it is doubtful whether the present Walpians speak the same tongue that the Snake (Teüa) clans spoke when they lived at Tokonabi, their ancient home in northern Arizona.

## HOPI FERIAL CALENDAR

## Peculiar Features

The author will first sketeh the ferial calendar ${ }^{a}$ of Walpi and give a brief account of the nature of the rites oceurring each month, having especially in mind the personages here figured; but only so much of this calendar will be given as will help to explain the pietures and render the paraphernalia intelligible.

[^4]The ceremonial year of the Hopis begins in Norember with a Newfire ceremony which assumes two forms, elaborate and abbreviated. The elaborate form, given every fourth year, is very complicated, owing to the initiation of novices into the fraternities. Following this precedent, the rites of the winter solstice (Soyaluna), Powamû, and Palülïkoñti are celebrated in extenso in those years. The claboration or abbreviation of the New-fire ceremony, which opens the calendar, thus profoundly affects all festivals of the remainder of the year.

There are also several other rariations in the calendar, due to the celebration of either the Suake or Flute festival, which alternate with each other. Thus in odd years there is in January an assemblage of the Snake fraternity, while in even years the Flute priests hare a meeting in the same month. There are likewise certain minor modifications in other ceremonies in those years in which the Flute and Snake ceremonies, respectively, are celebrated.

It must be borne in mind that the Hopis are ignorant of the Roman names of months, January, February, and the like, but these names are introduced in the following pases for convenience in redueing their calendar to our own. Their months often take the names of the ceremonies which occur in them.

The four seasons, spring, summer, autumn, and winter, have no equiralents among the Hopi so far as is known. The Hopi year has two divisions, which may be designated that of the named and that of the nameless moons; the former is the cold period, the latter is the warm-roughly speaking, they are winter and summer. These divisions may be called the greater and lesser periods, as the former begins in August and ends in March. In the first occur the greater, in the other the lesser mysteries (see below, Classification of Festivals), although this practice is sometimes reversed.

## Classification of Ferstivals

As has been noted, the ceremonies in the Hopi calendar vary in complexity as a result of the initiation of novices into the priesthoods, which oecurs about every four years.

In addition to this quadrennial variation there is a lesser and greater celebration of the same festival each year, which are ordinarily six monthe apart, the lesser being generally in winter. The adjective "elaborate" will be applied to those quadrennial festivals which are celebrated in extenso, "abbreviated" being applied to the smaller celebrations in intervening years; the two yearly presentations will be known as the greater and lesser mysteries.

## Elaborate Festivals

Some of the elaborate festivals involve nine days' aetive work, others five. In years when the New-fire ceremony is brief, other nineday eeremonies are abbreviated to fire, and five-day ceremonies are shortened to one. A list of the festivals of the latter elass is given below, under Abbreviated Festivals.

Among elaborate festivals with a nine-day duration may be mentioned the following:

| Naacnaiya. | Leleñti (Leñpaki). |
| :--- | :--- |
| Soyaluña. | Lalakoñti. |
| Powamŭ. | Mamzrauti (Maraupaki). |
| Niman. | Owakülti. |

Tcüatikibi (Tcüapaki ${ }^{\prime \prime}$ ).
Owakülti.

With the exception of Powamut and Niman the above festivals have two additional ceremonial days called the smoke talk and the publie amouncement days. The ceremonial days of these elaborate fentivals are called:

| First day: Tcotcoyuñya. | Fourteenth day: Yuñya. |
| :--- | :--- |
| Second day: Tiyuna. | Fifteenth day: Cuskahimù. |
| Teuth day: Yuñya. | Sisteenth day: Komoktotokya. |
| Eleventh day: Custala. | Seventeenth day: Totokya. |
| Twelfth day: Luctala. | Eighteenth day: Tihüni. |
| Thirteenth day: Naluctala. |  |

The days between the amouncement (second day) and Yunya (tenth day) are generally seven in mumber, but may be less. The nine active days begin on the first Yuña and end on Tihüni. the public dance dar, which is followed by three or four days of purification. Practieally each of these ceremonies takes twenty days from the smoke talk (Tcotcoyuña) to the final day of purifieation.

## Abbreviated Festivals

Among five-day ceremonies which are believed to be eontraeted forms of the tirst group, may be mentioned:

```
Wüwütcimti. Palülükoñti, or Añkwañti.
Pamürti.
```

The one-day ceremonies, whieh may be extended orer tive days in special years, are as follow:

[^5]
## Tabular Vien of Festivala in a Hopi Year

The following ceremonies, celebrated annually at the East mesia of Tusayan, are mentioned with the months in which they occur, beginning with the New-fire or November festival.

November, Felemüryuwâ (Novices' Moon)
\{Wüwütcimti (New-fire ceremony).
Naacnaiya (with initiation of novices).
November is generally considered the opening month of the Hopi year, and on the character of the New-fire cercmony, whether elaborate (Naacnaiya) or abbreviated (Wüwütcimti), depends that of the following festivals, for if the former is celebrated the winter ceremonies which follow are always more complicatcd.

## December, Tyamüry, wô

1. Soyaluña (All-assembly, Winter-solstice).

Synchronous meeting of all clans in their respective kivas with altars and prayers to Muyiñwt, the germ god. An elaborate sun drama occurs in certain kivas during the festival.
2. Montcita (war dance of the Kalektaka or warrior priesthoorl of the Pakab clans).
Stone images of the Hano warrior gods, corresponding to the Hopi Püükoñ hoya, Paluña hoya, and their grandmother Kokyan wüqti (Spider woman), are displayed at the winter solstice coremony (called Tañtai by the Tewas). At Hano the rites of these gods are combined with those of the gerin gods, but at Walpi they are distinct, following Soyaluña.
In this festival there is an altar and praycr-stick-making. The Hano warrior altars are erected in the same rooms and at the same time as those of the Winter-solstice ceremony.

## -January, Pamüryawố

## 1. Pamürti.

A dance celebrated at Sichumovi by the Asa and Honani clans, dramatizing the return of the sum, followed by their clan-ancients or katcinas, called by Zuñi namcs.
2. Leñya or Tcüa paholawù (Flute or Snake prayer-stick-making).

Winter or lesser Flutc or Snake prayer-stick-making. The Flute or Snake fraternity of the under world is supposed to meet at this time, and there is a sympathetic gathering of Flute priests in even years and Snake priests in odd years. In the odd years certain rites occur in the kivas dnring the Soyaluñ ceremony to harmonize with the preeminence of the Snake chief in those ycars.
3. Mucaiasti (Buffalo dance).
4. Tawa paholawì (Sun prayer-stick-making.)

Winter or lesser assemblage of the Sun priests.

Fedruary, Pourcmüryawâ

1. Powamû (Bean-planting).

A ceremonial purification festival celebrating the return of the clanancients of the Katcina clan, in which sereral other clan-ancients likewise appear.
2. Lakone paholawû (Lakone prayer-stick-making).

Winter or lesser sympathetic meeting of the Lakone priesthood. who make offerings and deposit them in distant shrines.

> Murch, Ücümüryautи

1. Palülükoñti, or Añkwañti.

Theatrical performance or mystery play, illustrating the growth of corn; its purpose is the production of rain.
2. Marau paholawû (Marau prayer-stick-making).

Spring mesting of the Marau fraternity, who make offerings and deposit them in distant shrines.
3. Sumaikoli.

Spring meeting of the Sumaikoli and Yaya fraternities. A festival of short duration in which new fire is kindled by frictional methods.

> May, Ty̌anüryanoù

Abbreviated Katcina dances.
Masked personations of different clan-ancients or kateinas, in public dances of a single day's duration, sometimes accompanied with secret rites.

> .July. Pamü̈ryamи̂

Niman Katcina (Departure of the Katcinas).
Elaborate celebration of the departure of the katcinas.


1. Snake dance (Teüapaki).

In odd years at Walpi, alternating with the Flute festival in even years.

1. Flute dance (Leñpaki).
2. Tawa paholawî (Sun prayer-stick-making).

Prayer-stick-making hy the sum priests.
3. Sumaikoli.

Meeting of the Sumaikoli fraternity.

## Lalakoñti.

Sejpember
Basket dance of the Patki (Rain-cloud) clans. Meeting of the Lakone fraternitr, in which an claborate altar is erected and a public basket dance is celebrated.

## October

## 1. Owakülti.

Basket dance of the Buli and Pakab clans. Meeting of the Owakültû society, when an claborate altar is crected and a basket dance is celebrated.
2. Manzrauti.

Hand-tablet dance. Meeting of the Maran society, when an elaborate altar is erected and a hand-tablet dance is celebrated.

## PRIEST FRATERNITIES IN HOPI CEREMONIAL FESTIVALS ${ }^{0}$

Each of the abore-mentioned ceremonial festivals is performed by a society of priests and is simple or complex according to the relative strength and social influence of its priesthood. The following lists give the names of these societies and the festivals in which they are specially prominent:

| Fraternity | Fertival |
| :---: | :---: |
| Aaltû .-. .-........... |  |
| Ẅ̈wütcimtù | Wせ̈wütcimti |
| Tataukyamû. | Naacnaiya |
| Kwakwantû ........... |  |
|  | Pamürti |
|  | Powamû |
| Katcina | Abbreviated Katcina dances |
|  | Niman |
| Tcüa. | (Winter Snake ceremony |
| Tcüb. | SSnake dance |
| Le | ¢ Winter Flute ceremony |
|  | Flute dance |
| Lalakoñtû | f Winter Lakone prayer-stick-making |
|  | LLalakoñti |
| Owakültı. | f? ${ }^{\text {( }}$ |
|  | Owakülti |
| Mamzrantû | $\left\{\begin{array}{l}\text { Winter Maral prayer-stick-making } \\ \text { Mamzrauti }\end{array}\right.$ |
| Tawa. | $\left\{\begin{array}{l}\text { Winter Sun prayer-stick-making } \\ \text { Summer Sun prayer-stick-making }\end{array}\right.$ |
| Kalektaka. | Momtcita |
| Saya..... | Summer Sumaikoli |
| Sumaikoli | Sppring Sumaikoli |

[^6]There are a few other priest fraternities which take part in the celebration of Hopi eeremonies, the most important of which are the Teukumimpkya, among which may be mentioned the Paiakyamû (mudheads), Tateükti (clowns), and Tcutekutû (gluttons). They are intimately associated with the masked katcina observanees, in which they generally take part.

## DESCRIPTION OF HOPI FESTIVALS

## Wüwütchiti, New-frre Ceremony

The festival of the new fire is performed by four religious fraternities or societies ealled the Aaltî or Aloraka, the Kwakwantî, Tataukyamû, and Wüwütcimtû.

The dominating element in this great yearly festival, whieh opens the Hopi year, is the worship of the germ god, Alosaka or Muyiñwi. Fire is a living being, a mystery, or spirit, and the creation of fire is symbolic of the creation of life. The making of the new fire may be eonsidered as a kind of sympathetic magic or symbolic prayer for the rejuveneseence of nature, and the rarious so-called phallic proceedings which accompany it have the same significance. This festival is not regarded as a fire-worship ceremonial, but an aspect of the worship of the mystery or medicine whieh fire shares with every other living or moving thing, embracing both organic and inorganic objects.

## Soraluẽa

The winter solstice ceremony, called Soyaluna, All-assembly, is an oecasion of many rites in all kivas on the East mesa, the altars in which are described elsewhere. Its main feature is a prayer to Muyiñwî, the germ god, and in one of the kivas certain clans from the south dramatize the advent of the sun god in the form of a bird.

The public advent of this sun or sky god takes place on the following morning, when the bird personation is replaced by a masked man, called Ahülani. This sun god is also called Soyal katcina, from the faet that he appears at Soyaluna. He is accompanied by two maids, called Soyal manas, wearing masks resembling those of Añy kateina manas, who distribute seed corn to the women of the pueblo.

It will later appear that there is the same dramatization of the arrival of the gods in this festival as in Powantu and Pamïrti. There is a representation of the return of a sky or sun god, who appears first in the kiva and then on the following morning at sumrise in publie, distributing gifts to the people and receiving their prayers. ${ }^{\text {" }}$

[^7]On one of the days of this festival men personating many kinds of birds dance together in the Nacab kiva; this dance is repeated in the Powamû festival, when all the bird masks are repainted and the bodies of the participants are decorated with feathers, the wings and tail being attached feathers. The following birds are personated:

| Kwahu, Eagle. | Türpockwa. |
| :--- | :--- |
| Keca, Hawk. | Totca, Hummingbirl. |
| Kowako, Chicken. | Pawik, Duck. |
| Patszro, Snipe. | Monwû, Owl. |
| Hotsko, Owl. | Kwayo, Hawk. |

## Момтсita

This special ceremony of the Kalektaka, or warrior society, introduced by the Pakal) or Reed (arrow) clans, whose chief is Pautiwa, is observed directly after Soyaluna. The society has a special room for its meeting, which is under the old Pakab house and is entered from the roof. Ordinarily this room, called the Püïkoñki or house of the god of warr, is closed. The four walls are decorated with pictures of animals, as follows: On the north side there is a picture of Toko, the Mountain Lion; on the west wall is Honatû, the Bear; on the south is Tokotci, the Wildcat, above which is a five-pointed star; and on the east is Kwewt, the Wolf, above which is a picture of the sun. From their positions on the walls these animals may be judged to be the distinctive beasts of these cardinal points. In one corner of this room there is a recess, ordinarily closed by a flat slab of rock luted in place, in which the images of the war gods are kept. At the time of the ceremony these fetishes and a number of old celts, ancient weapons, bows, arrows, and tiponis of the Kalektaka society are arranged in the form of an altar.

Prayer-sticks of peculiar construction are made by the Kalektaka, and there is a dance at daybreak on the day after their manufacture, in which the participants carry guns, bows, arrows, and other war implements.

The rude stone images representing the Hano war gods are arranged in the kivas during the celchration of the Soyaluna, in the manner described in an account of the rites of the winter solstice at the pueblo. They represent the two war gods, the Spider woman, their grandmother, and Wicoko, a giant bird. The warrior celebration at Hano is combined with the winter solstice rites, whercas in Walpi it is distinct, or rather the Reed or Pakab clans have a special warrior celebration.

The three principal images or idols are Püükoñ hoya, Paluña hoya, and Kokyan wüqti, the symbolism of which is shown in the pictures.

There are other images of Pü̈̈koñ hoya in Walpi which are brought into the kivas at Soyaluna; as one belonging to the Katcina clan, used
in the Moñ kiva, and one of the Kokop clan, used in the Nacab kiva. These are supposed to have been the property of the warriors of these two clans, but there are no special rites connected with them. At Hano the rites of the warriors occur at the winter solstice. when elaborate altars are erected.

## Pamürti

The Zuñi Indians are said ${ }^{a}$ to claim Sichumovi as one of their towns, and the Hopis sometimes refer to it as the Zuñi pueblo, for the reason that the clans whieh settled it, manly the Asa, and possibly abso the Honani, came from Zañi: hat of that the author is not quite sure. It is commonly said that the Asa belong to the Tanoan stock and that ther migrated from the Rio Grande ria Zuñi, where ther left representatives called the Aiwahokwi.

The belief of the Zuñis and Hopis that Sichumovi is closely connerted with the Zuñi clans is supported by the existence in that pueblo of a ceremony-Pamürti-in which the majority of the personators are catled by Zañi names, and are dressed to represent Zuñi katcinas. In this festival there are neither secret ceremonials nor altars, save those presently to be mentioned, and no tiponis nor society badges, although ancient masks are publiely displayed in certain houses.

The Pamuirti at Sichumori in the rear 1900 eclipsed all ceremonies in January at the East mesa, lont simultaneously with it danees were performed in the other pueblos. Pamürti celebrates the katcinas' return (ikini) to the pueblo, the personations at Sichamori mainly representing the ancients of the Honani and Asa clans.b In the same manner Porramû is supposed to represent the return of the ancients of the Kiateina clan.

The Pamiurti opened with a personation of Pantiwa, who in this festival at Sichumovi is the sun god of the Asa and Honani elans. On the opening day of the celebration he went to every kiva on the East mesa amouncing that in eight days the ancients would return and the Pamiurti would be celebrated. He threw meal at the homes of the chicf clans of Sichumori-the Honani, Asa, and Patki clans-as he passed through the pueblo, a symbolic act analogous to that of Ahul, who in Powamit makes markings of meal on the doorways of all the houses of chicts.

Eight days after the sun god. Pautiwa. had made the cireuit of the kivas as above mentioned, personators of the following heings marehed from the Sun spring up the trail into Sichmovi:

| Pautiwa, | Sungod. |
| :--- | :--- |
| Tcolawitze, | Fire god. |
| Cakwa Cipikne, | Creen Cipikne. |

[^8]Sikya Cijikne, Yellow Cipikne. Hakto. Huik. Hututu. Caiastacana, Long horn.

The men who personated these beings gathered about 4 p . m. at a house of the Badger clan on the Zuñi trail, far out on the plainand there dressed, putting on their mask and other paraphernalia. They then marched in procession to the Sun spring (Tawapa), where they were joined by Walpi men, who came from the Moñ and Naeab kivas. Those from the Moñ kiva represented Helilülü. Kwahu (Eagle), Kwayo (Hawk), Maeikwayo (Drab, Hawk), Pawik (Duck), and many mudheads or elowns; those from the Nacab kiva contributed several personations of Tcakwainas. The procession, enlarged by these additions, re-formed and continued on up the mesi, under lead of the sun god personation, Pantiwa, past the Rabbit-ear shrine (Sowinakabû) to the Sun shrine, on the east edge of the mesa, midway between Walpi and Siehumovi. On their arrival there they re-formed in platoons and eontinued on to the latter pueblo.

The proeession entered the pueblo abont sunset, presenting a most barbarie appearanee in the rays of light from the western sky. The numerous masked men walked in platoons, wearing painted helmets, those representing birds prancing backward and forward, raising their arms, to whieh feathers were attached to imitate wings; there were also platoons of men with painted bodies, wearing horned knobbed helmets closely fitting their heads, singing songs and shaking rattles. Prominent among all was a naked boy, painted from head to foot with spots of different eolors. He was called Tcolawitze and earried in his hand a cedar-bark torch, one end glowing with fire. The most startling figure was perhaps that representing the Humis kateina, or rather the Zuñi supernatural of this name. He was accompanied by a relative, called their unele (taamû), and two others known as the Arate hoya or Little Spotted Ones. These danced together with a full ehorus on the following day in the plaza of the pueblo.

There was also on this day a dance in which more than twenty men, personating the Duek or Pawik katcinas, appeared in line in the same plaza. The proeession entered Sichumori baek of Anawita's house, continuing along the row of houses on the cast side, toward Hano. Turning westward at the north end of the row it passed into the plaza of the pueblo. where it divided into four groups, eaeh of which sought one of the houses of the four chief elans, soon to be mentioned, where reeeptions had been prepared.

At intervals along the route of their march through the pueblo six temporary shrines had been erected, eonsisting of a few upright stones inclosing a prayer-stick. Conneeting these shrines a line of saered meal
was drawn on the ground. along which line the procession passed. As the personators arrived at each of the six shrines they performed a dance near it, and the leader scattcred prayer-meal on the prayer-stick. Each of the four divisions of the procession went to one or another of the following houses: Asa clan house (Homovi's), Honani clan house (Nuvasi's), Patki clan house (Tcoshoniwî's), and Kükütc clan house (Sikyahonauû's).
These houses had been specially fitted up for the reception of the incoming guests, and as they arrived they danced, passing in rotation to the other houses, and so continuing throughout the night.
As each group entered a house, it tied a stick with attached feathered strings in the rafters, after which the katcinas doffed their masks, the men smoked and prayed, and a feast was served. At the close of the feast the women and children began to assemble, filling all available space in the rooms. each family secking the clan with which it had social affiliation.

There were no elaborate altars in these rooms, but at one end, on the floor, there were masks and other sacred objects belonging to the clan. In the floor of the room at that point there was a round hole called the sipapi, corresponding with a similar opening in the floors of the kivas. The walls of the Asa room were decorated with whole new buckskins nailed in a row about them. The mural decoration of the Küküte clan was a ceremonial kilt painted on the four walls. All floors were carefully swept and the wealth of the clan was prominently displayed, the clan fetishes being placed on the Hoor near the symbolic opening mentioned above.

The most important of the latter in the home of the Honani clan were four masks of Wüwüyomo and four masks of the Zuñi Calakos. These were arranged in two rows, one behind the other. Near this double row of masks the men representing Cipikne. Hakto, and Hututu set their masks. The author supposes that the four masks called Wüwüyomo (see plate v), which are apparently very old, as their name indicates, represent sun masks, and as such are symbolically and morphologically the same as that of Ahül, the sun god of the Katcina clan. They are exceptional in having the curved snout (which is homologous to an eagle's beak) turned upward, for in masks of other sun gods which have this organ it is turned downward.
The four Zuñi Calako masks, which the author belieres are also symbolic sun masks, are of modern introduction into Tusayan, and do not differ in symbolism from those of the Calakos at Zuñi, from which they were modeled. ${ }^{a}$

No ancient masks were displayed in the house of the Asa clan, but

[^9]near a small opening in the floor representing the saered region of the room, the men personating Cipikne, Hakto, Caiastaeana, and Teolawitze deposited their masks.

In the house of the Patki clan there was what might be called a rude altar. At one end of the room, on a space a few feet square, the floor had been carefully sanded, and on the sand five rings were drawn side by side with meal. Within each of these rings there was a conventional symbol of a rain eloud. Bird worship predominates in the cults of this elan, and in these rings of meal the masks of the bird gods, Kwahu (Eagle), Kwayo (Hawk), and Macikwayo (Drab Hawk), were placed. It may be remembered that the personators who wore these masks were Walpi men, and that the Patki is a Walpi clan, as distingnished from the Honani and Asa, whieh have Zuñi affiliations.

The house of the Küküte clan, also distinctly Hopi, had, however, a row of twenty Teakwaina masks hanging on the walls. These were not worn by personators in the procession from Tawapa to Sichumovi, but were prominent in the dances thronghout the night.

There were dances in Walpi and Hano kivas on the same night, at the same hour, participated in by unmasked personages-Mueaias taka (Buffalo youth), Tacab (Navaho). Woe." Malo, and others. A dance representing all kinds of birds was performed on the same night in the Walpi Naeab kiva.

## Winter Flute Paholawû ${ }^{b}$

This is an abbreviated meeting of the Flute priests, oceurring in even years and lasting one day, during which a simple altar is made, tiponis are put in position, and prayer-sticks are manufactured. There is no publie dance and there are usnally no masked personages. The Hopi artist has given no drawing of the Flute priest, but in the colleetion there is a Leñya or Flute katcina, whieh sometimes appears.

In the winter Flute eeremony there is no altar, but the tiponis or sacred badges of the Flnte ehief, Türnoa, the Bear chief, Kotka, and the speaker ehief, Honyi, are placed in line in a ridge of sand back of the symbolie opening in the fioor of the kiva called the sipaput.

In 1900 the Flute chief made the following prayer-sticks:

1. A double prayer-stiek or paho, flat on one side, an offering to Cotokinuñwû.
2. Eight ordinary green flute pahos.

Hoñyi made the following:

1. A double paho, flat on one side, with corm-husk packages of meal.
2. Ordinary green flute pahos.

The other men present made each two double green pahos as long as the middle finger.

[^10]Hani, the Piba-Tabo chief, acted the part of pipe lighter, and, after all the priests had taken their positions around the three badges of the chiefs and the basket-tray containing the prayer-sticks mentioned abore, lit two pipes, one of which he passed to Tïmoa and the other to IIoñyi.

Eight songs were then sung, which Hani accompanied on a flute. During the first song Kwatcakwa arose, put some meal on a feather which he held horizontally, and made several passes over the sacred objects.

In the second song several rattles made of corn shells were used to beat time, and Kwatcakwa sprinkled the objects with sacred meal. During the third song Kotk: asperged these objects with medicine liquid. During the sixth and eighth song's Momi, of the Tcïa clan, arose, and stood before the three sacred badges of the chiefs, twirling the whizzer or bull-roarer, after which he repeated the same act on the roof of the kiva.

At the close of the songs all prayed in sequence, ana the rites ended with a formal smoke. The prayer-sticks were given to Sikyabotima, of the Kükütc clan, who ran with them as a courier to the different shrines of the gods for which they had been made.

## Wahikwinema. Cillldren's Dance

Two days after the winter Flute ceremony just described, 15 little boys and as many girls, each about 10 years old, performed a simple dance in the Walpi plaza. They were dressed and painted by their elders to represent katcinas. and men sang for them as they danced like their parents, beating time on a drum. At the close of this exhibition a small boy, one of their number, threw piñon nuts to the spectators from a bag he carried, which gives the dance the name it bear's (we go throwing).

## Mugalastl, Buffalo Dance

On the night of January 15,1900 , a Buffalo dance was performed in the Moñ kiva by two men wearing Buffalo masks. Tacab and Woe katcinas were represented in the Wikwaliobi kiva, Malo katcina was represented in the Nacab kiva, and the bird personations, Kwahm, Monwut, and Añwuci, appeared in the Tcivato kiva, accompanied by many mudheads. This was apparently unconnected with the Sichumovi Pamiurti or with the rites with which the Flute priests made prayersticks, which took place in Walpi on the same day.

In the Mucaiasti or Buffalo dance no altar is erected, but the men who take the part of the Mucaias taka deposit offerings in the Buffalo shrine at its close.

The participants in the Mucaiasti of 1900 were (1) the Buffalo youths, (2) the Buffalo maids, (3) the chorns.

The pictures give a good idea of the paraphernalia of the first two groups, which dance together. The chorus accompanies them with a drum, singing a loud and effective song. During the dance it is customary to discharge firearms and to imitate in a way a hunt of the bison, and this part of the ceremony was formerly carried out in a much more realistic way than at present.

The men of the chorus are gaudily painted, bearing sticks or poles to which ribbons, calico, and feathers are attached.

The Buffalo dance is a foreign addition to the Hopi calendar. It is said to be a Tewan ceremonial dance, and some of the Walpi women say they introduced it into Zuñi. The Hano people claim that their Mucaiasti is the best on the East mesa; in former years it was celebrated with much more éclat than at present. There is a tradition that a Buffalo maid was brought to Tusayan from the Eastern pueblos by the Sun, whose emblem she bears on her back in the dance.

## Winter Tawa Paholawt̂

This meeting of the Sun priests or Tawawimpliya is a complemental ceremony, at or near the winter solstice, of the summer meeting, which occur's in July." No altars are employed, but a number of prayer-sticks are made and later are deposited in special shrines.

The Winter Sun prayer-stick-making takes place in the same room as the Summer, in a house near the Moñ kiva, under the entrance to the ancestral residence of the Patki clan. The only fetish employed is a rude stone frog, over which is stretched a string extended along a line of meal on the floor, symbolic of the pathway of blessings. The men who participate in this rite are all members of the Patki clan.

## Powamî

The Powamû festival, ordinarily called the Bean-planting, is one of the most elaborate of all katcina exhibitions, and at Walpi is controlled by Naka, chief of the Katcina clan. One object of this festival is a purification or renovation of the earth for future planting, but the main purpose is a celcbration of the return of the katcinas. The festival differs considerably in the six Hopi pueblos and is apparently most complicated at Oraibi.

## PLANTING OF BEANS

In the early days of Powamû, beans are planted in all the kivas of the three rillages, Walpi, Sichumovi, and Hano, and forced to grow in superheated rooms until the morning of the final day, when they are pulled, tied in small bundles, and distributed, with dolls, bows and arrows, turtle shells, rattles, etc., to the children, by masked persons from each kiva.

## DANCES IN THE KIVAS

On every night from the opening to the close of the festival there were dances. unmasked or masked, in all the kivas of the East mesa.
There are personations in nine different kivas at the same time, and althongh the anthor has obtained the names and pietures of the katcinas personated, it was quite impossible for him to witness all these dances.

The unmasked dances of katcinas in the kivas are ealled by the same name as when masks are worn. Some of them are in the nature of rehearsals. When the dance takes place in the public plaza, all the paraphernalia are ordinarily worn, but the dances without masks in the kivas are supposed to be equally efficacious.

On acconnt of the large number of masked men who appear in Powamu. it is one of the most important festivals in whieh to study katcinas. The whole ceremony is of from sixteen to twenty days' duration, and will later be described in extenso, but for a proper understanding of the functions of the masked personators a summary is introduced of the events of each day in the celebration in 1900.

On the night of Fehruary 1 there occured in all kivas a series of dances of strange character. They followed one after another in rapid succession, and while they took place in all the kivas, the author witnessed them in only one.

## First Act

The first dance was performed by men from the Naeab kiva. The men represented all the birds which the Hopis personate in their dances, and the personations were rery good. They wore bird masks, their bodies were painted, and small feathers were stuck on their naked legs, arms, and bodies with pitch. They imitated to perfection the step, cry, and motions of Kwahn (Eagle), Palakwayo (Red Hawk), Totea (Himming-bird), Monwû (Owl), Koyona taka (Cock), Koyona mana (Hen), Yaupa (Mocking-bird) Patszro (Quail), Keca (Hawk), Hotsko (Owl?). Three bees (Momo) were also personated, and the men personating them went about the kiva imitating bees stinging by shooting miniature arrows at the spectators.

## Second Act

The Tewa kiva contributed a number of mudheads called Koyimsi (a Zuñi name). who danced and sang, performing certain obscene aets which need not be described.

> Third Act

A large delegation of Sio (Zuñi) katcinas performed the third dance, which oecurred shortly after that of the mudheads. They came from
one of the Sichumori kiras, and their dance was practically the same as that which has been elsewhere described. ${ }^{a}$
Fourth Act

This act consisted of a dance by men representing Tcakwaina katcinas.
Fifth Act

One of the Sichumovi kivas contributed to this series a dance by a number of masked men-representing Tacab (Navaho) katcinas, who were accompanied by two mudheads or clowns.
Sixth Act

This dance was the most exciting of all the exhibitions in this continuous performance. The dramatis personæ were Tumas, Huhuan, and ten personations of Tuñwup, the flogger, all of whom came from the Moñ kiva of Walpi.
The most exciting event in this dance was a flogging act by the last mentioned. During the dance a ring was drawn with meal on the floor, and one of their number stepped within it, dancing all the while, and two of his comrades struck him as hard as they could with yucea boughs on naked back, arms, legs, and abdomen. Shortly after this many spectators, men and women, stepped forward and received similar floggings on bared legs and arms.

## ADVENT OF THE SUN GOD, AHL̈L

The Powamû sun god arrives in the kiva, where he is said to rise ${ }^{b}$ on the night of February 1. Certain rites attend that event, but his advent in public occurs on the following morning (February 2) at sunrise. The man who is to personate the sun god dresses and masks himself at the shrine, Wala, on the trail to Hano, and just as the sun reddens the east he starts up the trail, guided by the Katcina chief. His dress and the symbolism of his mask can be known by consulting the figure which the artist has drawn of him, but a brief reference to his acts may find a place in the general account of Powamû.

The adrent of the sun personator is described elsewhere as follows: ${ }^{c}$

[^11]21 ETH-03-3
long expiration, and continued as long as he had breath. This act he repeated four times, and, turning toward the hatchway, made four silent inclinations, emitting the same four characteristic expiratory calls. The first two of these calls began with a low growl, the other two were in the same high falsetto from beginning to end.
The kiva clrief and two or three other principal members, each carrying a handful of meal, then advanced, bearing short nakwakwoci hotumni [stringed feathers tied to a twig], which they placed in his left hand while they uttered low, reverent prayers. They received in return a few stems of the corn and bean plants which Ahül carried.

Ahül and Intiwa ${ }^{a}$ next proceeded to the house of Tetapobi, who is the only representative of the Bear clan in Hano. Here at the right side of the door Ahül pressed his hand full of meal against the wall at about the leight of his chest and moved his hand upward. He then, as at the kiva, turnerl around and faced the sun, holding his staff vertically at arm's length with one end on the ground, and made six silent inclinations and four calls. Turning then to the doorway, he made four inclinations and four calls. He then went to the house of Nampio's mother, where the same ceremony was performed, and so on to the houses of each man or woman of the pueblo who owns a tiponi or other principal wimi (fetish). He repeated the same ceremony in houses in Sichumovi and Walpi.

During this circuit Ahall visited the following kivas and clan houses of the three pueblos of the East mesa:

|  | Hocses visited la Hano |
| :--- | :---: |
| $\quad$ Horse | owner |
| 1. Tewa kiva |  |
| 2. Kolon clan house | Nampio |
| 3. Ke clan lionse | Pobi |
| 4. Sa clan house | Anote |
| 5. Kisombi kiva |  |
| 6. Okuwañ clan liouse |  |
| 7. Täñ clan house | Kalacai |

Houses visited in Sichumovi

| House | Owner |  |
| :---: | :---: | :---: |
| Añwuci kiva |  |  |
| Teoshoniwû's kiva |  |  |
| Honani clan house | Kokaamů |  |
| Honani clan house | Kele wüqti |  |
| Ala clan house | Tüba |  |
| Houses visited in Walpi |  |  |
| House | Owner | Tiponi |
| Kokop clan house | Kutenaiya |  |
| Patki clan house |  |  |
| Kokop clan lıouse | Saha | Marau tiponi |
| Leñya clan house | Sakbensi | Leñ tiponi |
| Moñ kiva |  |  |
| Patki clan house | Tensi | Lakone tiponi |
| Wikwaliobi kiva |  |  |
| Asa clan liouse | W*uko mana | $\left\{\begin{array}{l}\text { Wüwütcinı tiponi }\end{array}\right.$ |
|  |  | Tataukyamû tiponi |
| Kokop clan lunuse | Nakwawainima. | Owakül tiponi |

"Naka became Katcina chief at Intiwa's death.

| 10. Tcüa clan house | Saliko | $\left\{\begin{array}{l} \text { Tcüb tiponi } \\ \text { Tcüa tiponi } \\ \text { Marau tiponi } \\ \text { Tcak tiponi } \end{array}\right.$ |
| :---: | :---: | :---: |
| 11. Nacab kira |  |  |
| 12. Patki clan house | Kotsyumsi | Lakone tiponi |
| 13. Honau clan house | Kotka | Aal tiponi |
| 14. Ala clan house | Pontima |  |
| 15. Pakab clan house | Nuñsi | Kalektaka tiponi |
| 16. Katcina clan house | Komaletsi | Katcina tiponi |
| 17. Al kiva |  |  |
| 18. Tcirato kira |  |  |
| 19. Asa clan house | Tuwasmi | Aal tiponi |
| 20. Patki clan house | Naciainima | Lakone tiponi |
| 21. Pakab clan house | Poyaniunka | Sumaikoli tiponi |
| 22. Patki clan house | Nempka | $\left\{\begin{array}{l}\text { Lakone tiponi } \\ \text { soral tiponi }\end{array}\right.$ |

After the personator of the sun had risited all these houses and kivas he sought a shrine dedieated to the sun, where he made his offerings and, retiring to a sequestered place, disrobed and returned to the kiva in the pueblo, carrying his mask hidden in a blanket. This personation did not again appear in Powamû.

## PRELIMINARY VISIT OF THE MONSTERS

On February 10, in Powamû, a group of monsters (Soyokos) from each pueblo visited every house on the mesa. The object of these visits was to tell the people that in several days they would return for meat and bread. These monsters are ealled Natackas, and the group from each pueblo consists of Hahai wüqti (their mother), Nataeka mana (maid) and Nataeka naamû (their father). The members of each group from the different towns are clothed in essentially the same costume, and have the same symbols on their masks.

The acts of Natacka naamû, Hahai wüqti, and Natacka mana on February 10 were essentially the same, each group first risiting all the houses of its own pueblo and then those of families of the other pueblos on the East mesa the heads of which were men of its town who had married and had children.

When it arrived at a house, the group, preceded by Hahai wüqti, balted before the door, and its leader called out in falsetto roice, asking for the inmates. The mother of the monsters carried a collection of snares (small animal traps made of a stiek and yueca fiber) and when a man or boy appeared she gave him one, telling him to hunt game, and in eight days she and her company would return for meat. She gave to the women and girls an ear of corn, telling them to grind it, and saying that in eight days the visitors would return for meal and bread. The Natacka father (naamî) said nothing, but hooted and hopped back and forth, assuming threatening postures.

This visit was an announcement to the households that in course of
time the monsters would return for gifts, so the males were directed to hunt for meat and the women to prepare paper-bread and meal to give them.

FLOGGIN゙G TIIE CIILDREN
The most important act on February 14 was the child flogging at Walpi and Hano. This is done by two Tuñwup katcinas, assisted by their mother. Tumas, in the presence of people of the town, and is briefly described under the heading Tuñwup.

## RETURN OF OTHER KATCINAS

On the same day appear also Hahai wüqti and a number of other katcinls. Many masked men, singly or in pairs, wander about the pueblos, especially by night, during the preceding days. The theory of Powamû is that all the katcinas return, and one comes upon them unexpectedly in all the pueblos. Of many noticed besides those already mentioned, there were several called Wukokoti (big masks; plate xxin), Ahote (plate xxxvir), and Owanozrozro (plate xxym). They wander from place to place, accosting pedestrians or calling out at the kiva entrances to the inmates below.

## ADVENT OF MASAUÛ

One of the most interesting ceremonials witnessed at Walpi in Powamû was performed on the evening of February 15. It was called the advent of Masauû, and is preliminary to one not seen by the writer, but described by some of the Hopis, which was later performed at or near planting time at Mastcomo, a mound on the trail from Walpi to the Middle mesa. As this rite is not of annual occurrence, and as it may not be witnessed again, it may be described in detail.

On ontering the Tcivato kiva about $\&$ p. un., the author found several chiefs seated in a ring by the fireplace, engaged in a ceremonial smoke. Among these men were Anawita, Sakwistiwa, Winuta, Kanu, Momi, Pautiwa, Haya, Hoñyi, and Türnoa. All smoked for a long time, frequently exchanging terms of relationship.

There were in the room at the same time about twenty other men who were decorating their bodies with white pigment, drawing lines with this material along their legs and arms. They placed daubs of white on their cheeks and tied small yucca fibers in their hair. No masks were seen, but it was gathered from the couversation that some of these men were to personate katcinas, and some were to represent maids. Ther were called the Maswik katcinas (the Masaun-bringing katcinas) and later accompanied the Masaû̂s as they went from kiva to kiva.

When these men had finished their bodily decorations, they formed a line near the walls of the room and sang a spirited song in cadence with their dance. As they sang Momi left the room, but soon
returned with a mask of Masauû, which he laid by the fireplace within the ring of priests. It looked like a giant skull, but closer examination showed it to be a great hollow gourd, with a large broken orifice and small holes for eyes and month. It was not decorated, and was destitute of feather adornment. In places around the broken part the edge appeared serrated. Through the broken opening the head of the man who wore the mask was thrust. At the same time that Momi brought the mask he brought also two old, almost black blankets, two ancient planting sticks, and two basket plaques in which were fragments of piki (paper-bread) and other objects.

Immediately after these objects had been laid on the floor, each of the chiefs puffed great whiffs of tobacco smoke on the mask, after which they prayed very fervently in sequence, beginning with Pautiwa. Songs then began, and as they sang Sakwistiwa took the mask in his hand and squirted over it from his mouth an unknown liquid which imparted a black color to the object. He then sprinkled on the face of the mask a quantity of micaceous iron (yayala) and laid it back on the floor.
Each of the painted men then in turn approached the mask and laid a stringed feather, called a nakwakwoci, in one of the basket trays. They then formed in line and danced to songs, shaking cow bells and rattles, making a great noise. Meanwhile one of the chiefs, in a voice almost inaudible, talked to the mask. So low was his tone that it would have been impossible for one to have understood this address, even if he were well versed in the Hopi language.
When the Maswiks had finished their songs, they filed out of the room and the two men who were to personate Masauû began their preparations. They tied agave (mobi) fiber about their legs and arms, slung the black blanket under one arm and tied it over the other shoulder; each took a planting stick and a basket tray. One of these men then slipped the gourd over his head, and thus costumed they left the room.
Meanwhile the Maswiks, seating themselves on the top of the kiva, were a waiting the preparation of the two Masaûts, and when the latter were ready they filed into the Moñ kiva, where many male spectators had gathered to see the performance presently to be described.
These Masauû rites are performed in each kiva in rotation, beginning with the Moñ kiva. In each of these rooms a considerable number of male spectators had gathered to witness the rites, and the events which occurred in the different kivas were substantially identical. Having seated himself among the spectators in one of the kivas, the author witnessed the ceremony from beginnmg to end.

As the line of Maswiks came in, a pinch of sacred meal was thrown upon each by the kiva chief. A song then began, accompanied by the bells which the katcinas carried, and soon the personator of

Masaut came down a ladder as if a stairway and, making his way back of the line of dancers. came forward between two of them and squatted before the fireplace. The second personator followed, unmasked, but with two black streaks painted on his cheeks. He took his seat by the side of Masatû, assuming the posture of a man planting, holding one end of the planting stick to the floor as if it were soil. Thus these two personators remained until the songs ceased, not speaking. When the Maswiks filed out, each said " (rood night " but the last one, who carried a bundle slung over his shoulders, halted, with one foot on the lowest rung of the ladder, and amounced to the occupants of the room that a few moons lience there would be a Masautu ceremony at Mastcomo.

At the departure of the dancers all occupants of the room crowded forward, each in turn placing his prayer symbol or feathered string in the basket tray, whispering a brief prayer to Masaun̂. This was an impressive ceremony, and was accompanied with much reverence. There was no lond talking, and each man seemed to speak confidentially to the personation of the supernatural being he addressed. Haring received all the prayers of the kiva immates, the two personations passed out of the room, learing their trays full of stringed feathers. The situation of the shrines where these offerings were later placed was not observed, but some of them were placed at the shrine of Masaluî in the foothills west of the mesa.

The foregoing rites and the nature of the prayers addressed to Masaut lead the author to regard him as a god of germination or a personation of fire ats a symbol of life. Life, to a primitive mind, is power of will expressed in motion, and is the mystery which animates everything, organic and inorganic. Masauû has the mysterious power so developed that he can make crops grow if he wills, and he was appealed to for crops, as a germ god. There are other germ gods, as Muyiñwî or Alosaka, the germ god of Awatobi, but Masaunt, one of the most archaic in Tusayan, was derived from Sikyatki. In early history, as legend declares, he owned all Hopi territory, but the chief of the Snake clan, by the use of his own mysterious power, overcame the mystery or medicine of Masaun, eren though he had power of life and death, and compelled him to do good deeds.

Thus it is that Masauut is regarded as the god of fire, which is life; as the god of death; but above all as the god of germs, Eototo. whom the ancient Sikyatkians regarded as their special tutelary deity: once overcome by the Hopi, he now does their bidding.

## APPEARANCE OF IOWAMU KATCINAS

Certain beings called Powamû katcinas appear on the following morning in the kiva, where they dance and perform other rites. The artist has represented these, and also So wügti (Grandmother woman), who grasps the Powamû katcina by the hand (see plate xiv).

DISTRIBUTION OF BEAN SPROUTS, DOLLS, AND OTHER OBJECTS
At sunrise of the last day of Powamû, two personations from each kiva distribute the sprouted beans, dolls, bows and arrows, moccasins, and other objects which have been made for that purpose. From their appearance at dawn they are called the Dawn (Telarai) katcinas, and in 1900 the following were observed performing this duty: Owa katcina, Malo katcina, Hehea katcina, Huhuan katcina, Sio Humis katcina, Tatcükti.

Shortly after this distribution a man personating Soyok wüqti went about Walpi holding conversations at the kivas and private houses, frightening children until they cried.

## COLLECTION OF FOOD BY MONSTERS

Later in the day three groups of Soyoko or monsters, each group consisting of four Natackas, one Natacka mana. one Hahai wüqti, one Hehea katcina, and two Hehea katcina manas, went to every house of their pueblo demanding food from the inmates, as they had notified the people they would eight days previously. Hahai wüqti acted as speaker, assuming a falsetto voice, the Natackas emphasized the demands, and Hehea, armed with lassos, tried to rope those who refused. It is customary for the boys to first offer Hahai wüqti a mole or rat on a stick. This is refused, and then a small piece of meat, generally mutton, is held out. The Natacka examines it and if not large enough hands it back as he did the rat, shaking his hideous head. When the desired quantity of meat is presented, it is given to the Natacka mana, who transfers it to a basket she carries on her back. The girl or woman is then asked for meal, and she offers meal that she has ground from the ear of corn presented by the monsters on their previous visit. This is refused and more meal is demanded until enough is given to satisfy the monsters, who transfer it to the basket of Natacka mana, after which they retire."

## Winter Lakone Paholatue

The Lalakontû have an assemblage in winter-a meeting of the chiefs, at which prayer sticks are made. This is held in Vensi's house near the Moñ kiva-the old house of the Patki clans. Vensi, the owner, is the oldest woman of the elan who is now active. No altar is put in place during this rite, which simply consists of prayers and songs.

[^12]
## Palëlé̛hontti, of Añkañti

This festival, like the two preceding, is an excellent one in which to study Hopi symbolism, for many masked personages appear in the dramatizations in the kivas and on the plazas outside. As has been shown elsewhere, the proceedings in the kivas are theatrical exhibitions which vary from year to year accordingly as one chief or another controls the different acts. Throughout the performance at which the author was present two old men, who may be called the kiva chiefs, sat by the fireplace in the middle of the room and continually fed the flames with small twigs of greasewood, the sole methor of lighting the room on that night. The heat was very great and the ventilation was so poor that the atmosphere was stifling. The audience consisted mainly of women and children, who occupied one end of the room, the remainder being empty except while performances were being enacted. Everyone was gladly welcomed to see the performance, and there were probably not a dozen persons on the mesa who did not attend. No one paid admission to this theater and no actor received a recompense. It was a festival for all to enjoy, as all contributed to its success. Except in one act. no woman took part as an actor, and there were few men in the audience. The spectators assembled about $9 \mathrm{p} . \mathrm{m}$., each clan seeking that kiva with which it had social affiliation. These acts are thus described in another paper: ${ }^{\text {a }}$

## ACTS I'ERFORMED IN 1900

## First Act

A roice was heard at the hatchway, as if someone were hooting outside, and a moment later a ball of meal, thrown into the room from without, landed on the floor by the fireplace. This was a signal that the first group of actors had arrived, and to this amouncement the fire tenders responded, " Yuñya ai" ("Come in"), an invitation which was repeated by several of the spectators. After considerable hesitation on the part of the visitors and renewed cries to enter from those in the room, there was a morement above and the hatchway was darkened by the form of a man descending. The fire tenders rose and held their blankets about the fire to darken the room. Immediately there came down the ladder a procession of masked men bearing long poles, upon which was rolled a cloth sereen, while under their blankets certain objects were concealed. Filing to the unoccupied end of the kiva, they rapidly set up the objects they bore. When they were ready a signal was given, and the fire tenders, dropping their blankets, resumed their seats by the fireplace. On the floor before our astonished eyes we saw a miniature field of corn, made of small clay pedestals out of which projected corn sprouts a few inches high. Behind

[^13]this field of corn hung a decorated cloth screen reaching from one wall of the room to the other and from the floor almost to the rafters. On this screen were painted many strange devices, among which were pictures of human beings, male and female, and of birds, symbols of rain clouds, lightning, and falling rain. Prominent among the symbols was a row of six circular disks, the borders of which were made of plaited corn husks, while the inclosed field of each was decorated with a symbolic picture of the sun. Men wearing grotesque masks ${ }^{\text {a }}$ and ceremonial kilts stood on each side of this screen, one dressed as a woman and bearing in one hand a basket tray of meal and in the other an ear of corn. He wore a helmet with a coil of hair suspended on each side of the face, a bunch of feathers on the top, and a bang made of red horsehair hanging before the face. The helmet was painted black, and small crescents indicated the eyes and the mouth.

The act began with a song, to which the masked men, except the last-mentioned, danced. A hoarse roar made by a concealed actor blowing throngh an empty gourd ${ }^{b}$ resounded from behind the screen, and immediately the circular disks swung open upward, and were seen to be flaps hinged above, covering orifices throngh which simultaneously protruded six artificial heads of serpents, realistically painted. Each head had protuberant goggle-eyes and bore a curved horn and a fan-like crest of hawk feathers. A mouth with teeth was cut in one end, and from this orifice there hung a strip of leather painted red, representing the tongue.

Slowly at first, but afterward more rapidly, these effigies were thrust farther into view, each revealing a body 4 or 5 feet long, painted, like the head, black on the back and white on the belly. When they were fully extended, the song grew louder, and the effigies mored back and forth, raising and depressing their heads in time, wagging them to one side or the other in unison. They seemed to bite ferociously at each other, and viciously darted at men standing near the screen. This remarkable play continued for some time, when suddenly the heads of the serpents bent down to the floor and swept across the imitation cornfield, knocking over the clay pedestals and the corn leaves which they supported. Then the effigies raised their heads and wagged them back and forth as before. It was observed that the largest effigy, that in the middle, had several udders on each side of the belly, and that she apparently suckled the others. Meanwhile the roar emitted from behind the screen by a concealed man continued, and wild excitement seemed to prevail. Some of the spectators threw meal at the effigies, offering prayers, amid shouts from others. The masked man representing a woman stepped forward and presented the contents of the basket tray to the serpent

[^14]effigies for food, after which he held his breasts to them as if to suckle them. ${ }^{\text {a }}$

Shortly after this the song diminished in volume, the effigies were slowly drawn back through the openings, the flaps on which the sun symbols were painted fell back into place, and after one final roar, made by the man behind the screen, the room was again silent. The overturned pedestals, with their corn leave, were distributed among the spectators, and the two men by the fireplace again held up their blankets before the fire, while the screen was silently rolled up, and the actor's with their paraphernalia departed.

The aceompanying plate ${ }^{b}$ represents the cloth sereen tied in position to the roof of the kiva and the miniature cornfield on the floor before it. The six openings in the screen, four of which are larger than the other two, are arranged in a row, and out of five of these openings protrude serpent eftigies. The flaps which ordinarily eover these orifices are raised, with the exception of that at the extreme right, whieh hangs in place to show the sun symbol on its face and the tip of a serpent's liead near one margin. The central effigy (yuamû, their mother) is knocking over the rows of clay pedestals which form the miniature cornfield. The masked human figure standing at the left before the screen represents the mother of the clan gods, or Hahai wüqti, who is holding forward a basket tray of meal, which she offers ats food to the serpents. One of the performers may be obscurely seen behind the screen, blowing the gourd trumpet by which the "roars" of the great serpents are imitated.

Prominent among the designs painted on this sereen are three human figures. That of a man has two horns on the head like an Alosakat ${ }^{c}$ and, as so often occurs in pictures or images on altars, the maidens have their hair arranged in disks, one above each ear, as in the Hopi maid's coiffure of the present day. These maidens were called Tubêholi manas. The other design represents birds, lightning, rain clouds. and falling rain. The first act was performed by men of the kiva which is situated in the middle of the Hano plaza," and the screen and snake effigies are owned by men of that pueblo. The screen was repainted on the day of the dramatization by the men who took part in the act. No actor tasted food on that day before the decoration of the screen was finished, and at the close of their work all vomited over the cliffs. This Hano screen and the drama aeted before it resemble those which are occasionally used in the chief kiva of Walpi.

[^15]The second act, a buffalo dance, was one of the best on this eventful night. Severa! men wearing helmets representing buffalo heads, with lateral horns and shaggy sheepskins, and wool painted black hanging down their backs, entered the room. They carricd zigzag slats of wood. symbolic of lightning, and performed a characteristic dance to the beat of a drum. These buffalo personations were accompanied by a masked man and boy representing eagles, who danced before them, uttering calls in imitation of birds.
The same buffalo dance, but more complicated, was celebrated earlier in the winter in the public plaza of Walpi, at. which time the men were accompanied by girls dressed as Buffalo maids who did not appear in the second act in the kivas. No representation of the eagles was seen in this public dance.
The Buffalo maids bore disks decorated with sun emblems on their backs, and carried notched sticks representing "sun ladders" ${ }_{a}$ in their hands. It is appropriate that this dance should be given by men from the Tanoan pueblo, Hano, as it was probably introduced by men of the same stock from the Rio Grande region, by whom this village was settled.

## Third Act

A new set of actors made their presence known at the entrance to the kiva soon after the departure of the Buffaloes, but these were found, on their entrance, to be very unlike those who had preceded them. They brought no sun screens nor serpent effigies with them, but were clothed in ceremonial kilts, and wore masks shaped like helmets. They were called Püükoñ katcinas, and were accompanied by two men dressed like women, one representing their grandmother and the other their mother. The former personated Kokyan wïqti, ${ }^{b}$ or Spider woman, and wore a closely fitting mask with white crescentic eyes painted on a blackened face, and white hair made of raw cotton. She danced before the fire in the middle of the room, gracefully posturing her body and arms, while the others sang and danced to the beat of a drum. As the actors filcd out of the room Spider woman distributed to the spectators seeds of corn, melon, and the like. ${ }^{c}$

[^16]
## Fourth Act

After the audience had sat silent for about a quarter of an hour men were heard walking on the roof and strange cries came down the hatchway. Again the fire tenders called to the visitors to enter, and muffled responses, as of masked persons outside, were heard in reply. First came down the ladder a man wearing a shabby mask covered with rertical zigzag lines," bearing a heary bundle on his back. As he climbed down the ladder he pretended to slip on each rung, but ultimately landed on the floor without accident, and opened his bundle, which was found to contain a metate and meal-grinding stone. He arranged these on the floor before the fireplace and took his place at one side. A second man with a like bundle followed, and deposited his burden by the side of the other. Two masked girls, ${ }^{b}$ elaborately dressed in white ceremonial blankets, followed, and knelt by the stones facing the fire, assuming the posture of girls when grinding corn.

After them entered the chorus, a procession of masked men who filed aronnd the room and halted in line behind the kneeling girls. At a signal these last arrivals began to sing, and as they sang mored in a solemn dance. The girls rubbed the mealing stones back and forth over the metates, grinding the meal in time with the song, and the men clapped their hands, swaying their bodies in rhythm.

The last-mentioned men held an animated conversation with the fire tenders, asserting that the girls were expert meal grinders, and from time to time crossed the room, putting pinches of the meal into the mouths of the fire tenders and spectators. This continued for some time, after which the girls rose and danced in the middle of the room, posturing their bodies and extending alternately their hands, in which they carried corn ears. The chorus personated the Navaho Anya katcinas, the girls were called the Navaho Añya maids and were supposed to be sisters of men in the chorus.

In order better to understand this act, let us consider the nature of the cult from which the personages appearing in it were derived. These personages are called katcinas, of which there are many kinds among the Hopis, differing from each other in the symbolism of their masks and other paraphernalia. Their distinctive names are totemistic, the same as those of clans now living either at Walpi or at some other place from which the katcinas were derived. Katcinas are tutelary clan gods of the ancestral type, and when personated appear as both males and females.

In many cases the katcina is represented by no clan of the same totemistic name now living in the pueblo. This has been brought about in several ways, of which there may be mentioned: (1) The

[^17]clan has become extinct, while its katcina has survired; (2) a katcina has been purchased or borrowed from a neighboring people; (3) a katcina mask has been invented by some imaginative person who has seen an object which he thinks fitting for a katcina totem.

A study of a clan and the katcina which bears the same name will be instructive in the determination of their relation.

There are several clans where this clan relation of the katcina still retains its primitive totemistic character, and at least onc where the names of both clan and katcina are the same. For instance, the members of the Tcakwaina or Asa clans claim that the Tcakwaina katcinas are their clan-ancients, and when they personate thesc clanancients they represent the following masked personages:

1. Tcatcakwaina taamû, Tcakwainas, their uncle.
2. Tcatcakwaina tatakti, Tcakwainas, males (brothers).
3. Tcatcakwaina kokoiamû, Tcakwainas, their elder sister.
4. Tcatcakwaina mamantû (=manas), Tcakwainas, maids (sisters).
5. Tcatcakwaina yuamut, Tcakwainas, their mother.

It will be noticed that all these ancestral personages belong to one and the same clan-the mother, brothers (tatakti), sisters (mamanantî), and uncle-but that the father is unrepresented.

The most important fact, however, is that the name of the katcinas is the same as that of the clim, viz., Tcakwaina, and that men of this clan personate in dramatic and cercmonial performances the supernaturals bearing their clan name. They do not introduce a personation of the Tcakwaina father because he is not of their clan, and hence can not be a supernatural of their clan.

An analysis of other katcinas shows that many of them are ancients of clams, or that each clan originally had distinctive divinized ancients in the katcina cult. These gods are personated as brothers, sisters, uncle, mother, or grandmother, the paraphernalia being determined by the particular clan totem.

The relation of a katcina to its clan can be traced in many other instances, but in others, and perhaps the majority, it is obseured by changes in nomenclature and sociologic development. Katcinas often no longer bear their ancient names, but are called from some peculiarity of dress, prominent symbol of the mask, or peculiar cry emitted by them, which has no comnction with the totems of their respective clans. The Añya katcinas (brothers, men) and the Aña katcina manas (sisters) belong to this group. They were originally introduced by Patki (Rain-cloud clans) from settlements on the Little Colorado river, and their name has no relation to the clans which brought them. In fact at Zuni the dance of these katcinas is called the Kokshi, Good dance, while the name of the same at Walpi is the Anya, or Long-hair. We have also at the latter pueblos other names for the Añya manas, as Soyal mamas, equally inapplicable so far as their clan relation is concerned.

The popular names of Hopi gods, among which are included kateinas or clan tutelary supernaturals, are commonly of exoterie origin and are oftentimes very numerous. Unfortunately the archaie name is often lost, although in a few cases it is the same as the popular.
Fifth Act

As after former aets, we waited a few minutes only for the next, a fifth. which was somewhat similar in character to the first. A call at the hatchway and an invitation from within to enter led to the appearance of a procession of masked men who came down the ladder bearing paraphernalia for their exhibition hidden under their arms or eonealed in blankets. The fire tenders shielded the fire once more with blankets, so that the room was darkened, and in the obseure light the actors arranged their stage properties. When the blankets were dropped, the light revealed on the floor before us an imitation field of corn, each hill of which was a clay pedestal with projeeting corn leaver, and behind it, as a background, a wooden framework decorated with peripheral turkey feathers ${ }^{a}$ and hung with two disks painted with sum emblems. Pine boughs were so arranged in the framework that they filled all vacant spaces and shielded performers in the rear of the room. Several naked men, called "mudheads," wearing on their heads close-fitting cloth bags with attached knobs, stood hefore the framework, which was supported by two of their number. The exercises opened with "roars" from behind the disks and vigorons dancing by the mudheads before the sereen.
Soon the flaps of the sun disks swung open and from under them emerged the hideous heads of two snake effigies, larger than those of the first performanee, but similarly eonstructed. These serpent heads were thrust forward until their serpentine bodies, extended several feet, came into riew. Their heads darted back and forth, swaying first to one side and then to the other, biting viciously now at the audience and then at each other, while deep roars imitating the voice of the serpent emerged from the rear of the room. With one stroke of the head the field of corn was swept orer and the serpents twisted their bodies abont each other.

One of the naked men, a mudhead, wearing the knobbed cloth bag, stepped forward and grasped one of the serpent effigies by the neck. He pretended to wrestle with the snake, and for a time was suceessful, but at last the man was orercome and sent sprawling on the floor. Then another adranced to the conflict, and he too was thrown down. A youthful mudhead made a like attempt and mounted the eftigy, riding on its neek as if on horseback. The whole act was a realistic representation of the struggle of man with the serpent. Ultimately the serpents contracted their bodies, drew back
their heads behind the flaps, and the performance ended with a prolonged roar from behind the screen. In the darkness which followed, made by hanging blankets before the fire, the actors packed their paraphernalia, gathered their effigies, and quietly left the room.

The accompanying plate ${ }^{a}$ represents this fifth act, or the struggle of the mudhead with the serpent effigies. The framework, which is supported by two men, is decorated with zigzag symbols representing lightning; the row of semicircular bodies on the crowheam symbolizes the rain clouds, from which descend parallel marks, the falling rain. These six semicircular rain-cloud symbols are of different colors, yellow, green, red, and white, corresponding to the supposed colors of the cardinal points, and all have animal designs representing frogs and birds painted upon them. The manipulators of the serpent effigies are hidden from riew by pine or cedar boughs inserted into a $\log$ on the floor, which is covered with figures of rings, symbolic of the earth. At the right of a median vertical line a serpent effigy is seen protruded through an opening, above which is a circular flap raised to a horizontal position. The serpent effigy on this side is searching for a youthful "mudhead," who has crawled below the disk. The left-hand serpent is represented in conflict with an adult mudhead, who has grasped it about the hody and neck; the serpent appears to be biting at its opponent. We are looking at this strange contest from the raised spectators' floor of the kiva; the miniature cornfield, which one of the serpents knocked down a short time before, has been removed, and the clay pedestals which remained are distributed among the spectators. The weird effects of the light from the fireplace in the middle of the room have been brought out by the artist, Mrs Gill, who has successfully drawn these screens from the author's kodak photographs and sketches.

## Sixth Act

There was yet another exhibition of serpent effigies in this continuous performance, and the actors were amounced in much the same way as their predecessors. They appeared shortly after the departure of the Spider woman and her associates, and arranged their paraphernalia in the darkened room, holding up an additional blanket to conceal their preparations. When the blankets were dropped from before the fire, a miniature field of corn was seen on the kiva floor, and back of it were two vases surrounded, except on the side toward the fire, by a row of squatting mudheads. A song immediately began, and suddenly the four lappets ${ }^{b}$ which covered the orifice of each vase were turned back automatically, when out of the vases slowly

[^18]emerged the heads of two artificial serpents drawing their bodies behind them. These effects were produced by hidden strings placed orer the kiva rafters, and the images were made by this means to rise and fall, more backward and forward, or to approach each otber. Their heads were drawn down to the floor and swept orer the miniature cornfield, overturning it as in the first act, when a sun screen was also employed. They struggled with each other, winding their heads together, and performed various other gyrations at the wish of the manipulators. The effects prodnced with these strings were effective. and the motions of the men who held the strings and manipulated the effigies were closely concealed. It is probable that some of the strings were attached to the rattles used by the chorus.

The performance was a very realistic one, for in the dim light of the room the strings were invisible, and the serpents seemed to rise voluntarily from the vases. At its close the effigies sank into the carities of the vases and the song ceased. In the darkness the paraphernalia were wrapped in blankets, and the actors left the room, passing to another kira, where the performance was repeated. The personators of this act were from the Tcivato kiva of Walpi, and their chief was Pantiwa.

While we were witnessing these six exhibitions in one room shows were simultaneously being enacted in the other eight kivas on the East mesa. The six sets of actors, each with their paraphernalia, passed in turn from one room to another, in all of which spectators awaited their coming. Each of the performances was giren nine times that night, and it may safely be said that all were witnessed by the 500 people who comprise the population of the three pueblos in one kiva or another." It was midnight when this primitive theater closed, and the effigies were disjointed and carried to hidden crypts in the houses, where they were lnted in jars with clay, not to see the light again until March of the next year.

## ADDITIONAL ACTS SOMETLMES PERFORMED

Although the sixth act closed the series of theatrical exhibitions in 1900, it by no means exhausts the dramatic resources of the Hopis in the presentation of their Great Serpent exhibition. This year (1900) was said by all to be one of abbreviation in all winter ceremonies and dramatic performances, but in more elaborate exhibitions, in other years, instead of six there are, we are told, as many as nine acts in thi, continuons show, employing one set of actors fiom each kira on the mesa. Our account would be more comprehensive if it included short references to one or two of the important additional acts which ocenr in the more elaborate performance. ${ }^{b}$

[^19]Sometimes the screen performance is aecompanied by an exhibition by a masked man or men, who pretend to struggle with a snake effigy whieh they earry in their arms. This performance consists mainly in twisting these effigies about the body and neek of the performer, holding them aloft, or even throwing them to the roof of the kiva, as elsewhere ${ }^{a}$ described in an account of the celebration in 1893.
In some years marionettes representing Corn maids are substituted for the two masked girls in the act of grinding corn, and these two figures are very skillfully manipulated by concealed actors. Although this representation was not introduced in 1900 , it has often been described to me, and one of the Hopi men has drawn me a picture of the marionettes, which is worth reproduction in a plate (see plate xxvir).

The figurines are brought into a darkened room wrapped in blankets, and are set up near the middle of the kiva in much the same way as the sereens. The kneeling images, surrounded by a wooden framework, are manipulated by eoncealed men; when the song begins they are made to bend their bodies backward and forward in time, grinding the meal on miniature metates before them. The movements of girls in grinding meal are so cleverly imitated that the figurines, moved by hidden strings, at times raise their hands to their faces, whieh they rub with meal as the girls do when using the grinding stones in their rooms.

During this marionette performanee two bird effigies were made to walk back and forth along the upper horizontal bar of the framework, while bird ealls issued from the rear of the room.

The substitution of marionettes for masked girls suggests an explanation of the use of idols among the Hopis. A supernatural being of the Hopi Olympus may be represented in ceremony or drama by a man wearing a mask, or by a graven inage or picture, a symbol of the same. Sometimes one, sometimes the other method of representing the god is employed, and often both. The image may be used on the altar, while the masked man appear's in the public exhibition in the pueblo plaza. Neither idol nor masked personators are worshipped, but both are regarded as symbolic representations in which possibly the gods may temporarily reside.

So with the use of marionettes to represent the Corn maidens in the theatrieal exhibition or the personation of the beings by masked girls. They are symbolic representations of the mythie maidens whose beneficent gifts of corn and other seeds in ancient times is a eonstant theme in Hopi legends.

The clan ancients or kateinas personated in the Great Serpent drama vary from year to year, implying the theatrical nature of the festival, but there are certain of these personations which invariably

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appear. In the exhibition of 1893 , the only one previous to 1900 on which we have reliable notes, there was one performance with a sun screen and serpent effigies which were mampulated by the men of the kiva under the Snake rock. The symbols depicted on this screen differed somewhat from those on the screen employed in 1900, but the general character of the performance with it was the same. Briefly considered the acts given in 1893 were as follow:

First uct. An exhibition with the sun screen and serpent effigies by men of Nacab kiva similar to the first act of 1900 , but in which the actors personated Pawik (Duck), Tacab (Navaho), Hahai wüqti, and others. A masked man (Calako) stood before the screen holding in his arms an effigy of a Great Snake with which he appeared to struggle, and for that reason was called "The Struggling One." The serpent effigy carried was manipulated in such a way that the man and snake appeared to be engaged in a combat, much as in the fifth act of 1900 , except that the serpent effigy was not thrown through an opening closed by a disk bearing sun symbols. The manipulator wore a false arm" hanging from one shoulder in place of his real arm, which was thrust within the body of the effigy, grasping a stick, the "backbone" of the monster.

Second act. Dance of masked men representing Añya katcinas.
Third ret. Dance of masked men representing Tacab katcinas.
Fourth wet. Dance of masked men representing clowns and two Huhuan katcinas.

Fifthact. Dance of men personating women of the Owakültî society, who threw their baskets to the spectators.

Siath act. Dance of men representing old women bearing willow wands.

Secenth act. Dance of masked men representing Tanoan Aña katcinas.

The god of death, Masaût, ${ }^{b}$ was personated in the 1893 exhibition and appeared in the plaza about $2 \mathrm{p} . \mathrm{m}$. ."dancing through Walpi with a hobbling movement, singing snatches of a song. He was masked and wrapped in a rabbit-skin rug, and went to all the kivas, beating the entrance with a bush" (Bigelone grateolens).

On the day following the night exhibition in 1893 there were public dances of the Tacab and Anya katcinas.

PARAPIIERNALAA USED, THEIR CONSTRUCTION AND SYMBOLISM
The effigies of Palülükoñ now used at the East mesa are not very ancient, although there are one or two which show considerable antiquity. One of these older specimens has a body of buckskin, but the majority, and all the recent ones, are made of cotton cloth. The

[^21]present screens are of the latter material, but these are commonly said to have replaced others of skin or native cloth. The Walpi men made two new serpent effigies in their kivas in 1900, and all the material of which they were manufactured was purchased from the neighboring trader at Keams Canyon.

Each of the three pueblos, Hano, Sichumovi, and Walpi, has several of these serpent effigies, which are kept in the houses of the following clans:
Hano, Sa (Tobacco) clan; Sichumovi, Patki (Rain-cloud) clan; Walpi, Tcüa (Snake) clan, Pakab (Reed) clan.

In ancient times they were kept in stone inclosures outside the pueblos, but these receptacles have been abandoned of late, on account of the imroads of nomads. It is said that the Oraibi and Middle mesa pueblos still have extramural receptacles for the Palülükoñ effigies. The house of the ancient Plumed Snake of Hano is a small cave in the side of the mesa near the ruin Türkinobi, where several broken serpent heads and effigy ribs, or wooden hoops, can now be seen, although the entrance is walled up and rarely opened.

A knowledge of the mechanical construction of the serpent effigies may aid in an understanding of their manipulation. Their heads are either cut out of cottonwood or made of gourds, and are painted, and the protuberant goggle-eyes are small buckskin bags tied to the top. Each head bears a medial horn curving forward, sometimes made with joints and at other times solid. A radiating crest of hawk feathers is tied vertically to the back of the head. The teeth are cut in the gourd or wood of which the head is made and are painted red. The tongue is a leather strap, also painted red, and protrudes from the mouth a considerable distance. The top of the head is black, the bottom white, and these same color's continue along the sides of the body.

The body consists of a central stick, called a backbone, orer which is extended a covering that is held in place by a series of hoops graduated in size from the neck to the end. The eftigy is manipulated by means of a stick, held by a man behind the screen. The "hackbone" has a ferule cut in it a few inches back of the neck, and to this ferule are tied a quartz crystal called the heart and a package which contains corn seeds of all colors, melon, squash, cotton, and other seeds, and a black prarer-stick. The cotton cloth stretched over the series of hoops, called ribs, which form the body, is painted black above and white below, with a red streak at the dividing line, where there are also other markings and symbols, like those on the kilts of the Snake priests.

The backbones of the two effigies which were made to rise out of the rases were short and stumpy, but they have a "heart" similar to the longer ones, and an attached package of seeds.

## RÉSUMÉ OF EVENTS IN PALÖ゙ルÖKOÑTY IN 1900

Felmany 14. On this day corn was phanted in three kivas, the Moñ kiva, Tcivato kiva of Walpi, and the plaza kiva of Hano. This corn was daily watered and the kivas were heated so that the seeds might sprout. The miniature cornfield was later made of these sprouts. Children are not allowed to know that the corn is thus planted before the exhibition. The planting of corn seeds has given the name "Corn planting " to Palülükonti, just as the one of beans in a like way gave the name "Bean planting" to the Powami, but these names characterize incidents not the true purpose of the festival.

February 26. About two weeks after the corn seeds were planted the effigies of the Great Serpent were brought into the three kivas above mentioned at nightfall, when the rehearsals of the acts to be given later took place.

Februcry IVy $^{y}$ (I'unga). This day was devoted to the preparation of the paraphernalia, and at sundown there was a rehearsal of the Great Serpent acts, as also on the following day.

March 1 (Fomoktotokya). In addition to the rehearsals in the kiva. masked men representing Wupaman, Honau, Hehea, Mucaias, Wuyok, Soyim ep, and Samo wüqtaka katcinas appeared in the plazas. They dressed and masked themselves at Wala (The Gap), and marched up) the trail into Hano, where they gathered at the kiva hatches, and held an animated conversation with the chief of the kiva, who came to the hatchray for that purpose.

March : (Totolyni). Many masked men were seen throughout the day in the three East mesa pueblos. Early in the afternoon there were noticed in Hano three Woe katcinas, each with a chevron mark on the face, and one Wupaman, or Big High Sky god, bearing the sun mask ${ }^{a}$, and held by a mudhead priest by a rope tied about his loins. In Walpi shortly afterward two small boys dressed and masked to represent Masauut went from one kiva to another, standing on the hatch and beating the ladder with bundles of sticks.

Late in the afternoon the chief kiva of Hano sent to all the kivas on the East mesa a delegation of masked men representing Mucaias. Butfalo; Wupamau, Big High Sky (smn) god; Honau, Bear; Ahote: Citoto; Tcanaû; Wukokoti; and many mudheads. They went from one kiva entrance to another, holding conversations with the kiva chiefs and in various ways amusing the spectators.

About sundown the men of the two Wapi kiras carried their snake effigies to the main spring of the pueblo, the home of Palütukon, called Tawapa, Sun spring, where they performed ceremonies, while the men of Hano took their serpent effigies to a spring called

[^22]Moñwiva, sacred to their Great Snake. The six acts in the kiras were performed directly after the return of the men with the effigies from these springs.

During the festival all actors abstain from salt and meat and do not sleep with their wives, a tabu which is rigidly observed, especially on the day preceding the exhibition in the kiva.

On several of the days of this festival there are foot races along the water courses in the ralley, during which the naked racers kick small stone nodules in a sinistral circuit around the mesa. This was a prayer for streams full of water.

The erents which occurred when the effigies were taken to the springs were wholly ceremonial, and not dramatic. During the day previous to this event, all men of prominence, especially chiefs of clans, brought feathered strings to the kivas, and tied them to the necks of the serpent effigies. One or more prayer-sticks were also made to be used at the springs. Six of these were made in the performance of 1893. One was tied to the backbone of each effigy. Five others were deposited at the spring, some at the edge of the water, others beneath it.

The exercises at the springs Tawapa and Moñwa were not witnessed by the author in 1900, but they were probably the same as were described in the account of this episode in 1893." In that year, about $7.30 \mathrm{p} . \mathrm{m}$. , a procession went down to the spring carrying the effigies and the trumpets by which the roars of the serpent are imitated. This procession was led by a man personating Habai wuiqti and the kiva chief, "making a connecting trail from the south edge of the basin [Tawapa], along the east and north sides of the pool, and up as close to the west edge as the mud would permit. Those following with the serpent effigies, beginning at the east side of the pool, laid the effigies down close to the edge of the water, along the north side. The youths placed their gourd trumpets on the meal trail, upon which also were the serpent effigies. All then sat on the north side facing the south. The leader, as he went down, deposited the fire pahos . . . at the west side of the pool, setting them in a row fronting the east.
"The leader of the procession bore the kopitcoki (cedar bark slow match). . . . It had been lighted at the kiva fire before the procession started, and the fire was smouldering in the bark. Momi (kiva chief) lit a pipe by this torch and gave it to the leader, who made the usual response, smoked a few puffis and passed it to the next man on his right. Momi then lit another pipe and passed it also to the leader, and the two pipes passed down the two lines, in which they had arranged themselves when sitting, the elders in front, next the pool, the youths behind them. After all had smoked, the leader
prayed, and each of the nine elders followed in succession. The ten youths did not pray, but each took his trumpet [gourd] and, stepping one stride into the pool, stooped over, and, placing the bulbous end to his month with the small orifice on the surface of the water, trumpeted three or four times. Each of the youths then dipped up a little water in his trumpet and poured it into a vase.
"The effigy bearers then dipped the tip of the serpents" heads and the ends of the hark-tail plumes in the pool, and the leader said a short prayer and started back up the trail."

Certainly the most remarkable of all the masked men who appeared that day were the two personations of a being called Teanâ̂ katcina. They wore circular masks with feathers projecting from the periphery and carried in their mouths realistic stuffed effigics of rattlesnakes, while over the eyes of the masks were fastened carved wooden effigies of lizards. Although these masks suggest the custom of the wellknown Snake dance, not the Snake clan but the Pakab clan is said to have introduced this ceremony into the Walpi ferial calendar.
March 3 (Tihüni). On the day after the acts in the kivas there was a publie dance of the Añya katcinas in the Walpi plaza. During this dance grinding stones were placed in the middle of the open space by the Snake rock, behind which two girls representing Aña katcina manas took their position, - and a line of Anya katcinas extended the whole length of the plaza. The latter served as chorus, while the girls ground meal, as in a kiva performance the night beforc.
In this exhibition or dance therc were also two men personating Hehea, whose actions were identical with those of the same personations in the kiva performance. They sat on the ground as the girls ground the meal and the chorus sang. The personators in this dance were from the chief kiva of Walpi, and the exhibition has the same meaning as that of the night before.
There also appeared in this public exhibition a masked personage called Hopak (Eastern) katcina, the signification of whose presence is unknown to the author.

## PERSONATIONS APPEARING IN PALÜLÜKOÑTI

The following personations appear in Palülükoñti:

[^23]Kokyan wüqti. Appears in kiva drama. Püükoñ's sister. Appears in kiva drama. Tacab Añya. Appears in kiva drama. Tacab Añya mana. Appears in kiva drama. Hahai wüqti. Appears in kiva drama. Añya. Performs ceremonial dance in plaza. Añya mana. Grinds corn in ceremonial dance in plaza. Hehea. Appears in ceremonial dance in plaza.
Hopak. Appears in ceremonial dance in plaza.

## Winter Marau Paholawê

The winter prayer-stick-making of the Mamzrautû society was much more complicated in 1900 than that of the Lalakoñtû. The row of upright objects from the altar erected in October was put in place and before it were laid the tiponis of the chiefs of the society. On the final day there was a public dance in which there were personations of the Palahiko manas. The Hopi artist has made a fair picture of one of these Palahiko manas, which is here reproduced in plate Lri.

## Spring Sumatiolif

The Yaya priests and Sumaikoli hold a spring festival in Walpi, which in some particulars resembles the Sumaikoli celebration at Hano, elsewhere described. ${ }^{a}$

The six masks of Sumaikoli and one of Kawikoli are arranged on the floor of the kiva behind the tiponis. New fire is kindled with rotating fire drills, and this fire is later carried by means of cedar-bark torches to shrines of the Fire god, four shrines in the foothills, where bonfires are kindled in sequence, north, west, south, and east.

The carriers who bear these torches, and who kindle the four fires, deposit in the contiguous shrines prayer-sticks which have been made in the kiva before their exit.

One of the most interesting features in the songs which are sung before the altar are the calls down a hole in the floor called the sipaput to the goddess of the earth. ${ }^{b}$ This being is represented by a bundle of sticks placed on the floor, and orer this bundle the priest kneels when he shouts to the earth goddess.

The symbolism of the Sumaikoli masks at Walpi is similar to that of the Hano masks, which are elsewhere ${ }^{c}$ figured and described. They differ among themselves mainly in the colors of the different symbols. The picture of the Sumaikoli by the Hopi artist (see plate xxxir) gives a fair idea of the paraphernalia.

[^24]
## Abbreviated Katcina Dances

Throughout the summer months there oceur in the Hopi pueblos a series of masked dances, generally of a day's duration, to which the author has given the mame Abbreviated Katcina dances. They are not accompanied by secret ceremonies, and the participants rary in number, the beings personated differing from year to year.

These dances close with what is called the Niman, or Departure of the Katcinas, a ceremony of nine days" duration, in which there is an elaborate altar, and many secret ceremonies." There are, howerer, no altars in these abbreviated festivals, nor is there any public announcement of them by the town crier. The dances continue at intervals from morning to night, but are limited to one day, the three or four preceding days being spent in the kivas practicing songs, preparing and painting dance paraphernalia, and making other preparations for the public exhibition. The katcinas in these festivals are accompanied by one or more ummasked priests, who shout to them, sprinkle the dancers with meal, and lead the line as it passes from one dance place to another, showing the trail by sprinkling meal on the ground. These are called the kateima fathers (naamû), and in a general way correspond to the rain priests mentioned by students of Zuni ceremonies.

Ordinarily all participants in one of these abbreviated dances wear masks with like symbols, but there are four or six dressed as women who accompany the dance by rasping a sheep scapula on a notched stick. Occasionally, however, there is a dance, limited to one day, in which all participants wear different kinds of masks, and personate different katcinas. This dance, known as the Soyohim, has been elsewhere described. ${ }^{b}$ From the rariety of personations which appear, this dance is a particularly good one for a study of the Hopi symbolism.

## Summer Tawa Panolawû (Sun Prateri-stick-making)

The making of the sun prayer-sticks in midsummer is limited to a single day, but does not differ from that in winter. ${ }^{c}$ The Sun priests assemble for this purpose in the roon under a house near the Moñ kiva, and the only fetish they use is a stone image of a frog, over which is stretched a string with attached feathers, and which lies on a line of meal drawn diagonally on the floor.

As the Sun priest have no distinctive masks or public dance, no pictures were made to illustrate this ceremony.

[^25]
## Summer Sumaikoli

The summer Sumaikoli at Walpi has never been seen by an ethnologist, but the ceremony at Hano is elsewhere described." It is a single day eeremony in which the seven Sumaikoli masks, to which the priests pray, are set in a row on a buckskin at one end of the room. Feathers (nakwakwoei) are tied to the masks (shields), and prayer-sticks are made and distributed to distant shrines.

The Sumaikoli helmet masks of Hano were captured in some Naraho foray and strewn about the base of the mesa. They were gathered by Kalacai, and are now kept with pious care in the room near Kalakwai's new house in Hano, where they can be seen hanging to the wall. With Kalacai's death the Sun clan (Tañ towa) of Hano beeame extinet and the eare of the Sumaikoli devolved on others.

There was no public exhibition of the Sumaikoli in the summer of 1S:1, but the author has been told that the festival has of late been revired in Hano. The Hopi artist hats given a fairly good picture of Sumaikoli as he appears in public ${ }^{b}$ (see plate xxarv).

## Nidan

This is an elaborate festival celebrating the departure of the katcinas from Walpi, and consists of elaborate rites before a complicated altar and a public dance, which differs in different Hopi pueblos. One of these is described in another place. ${ }^{\text {c }}$ This is the only festival eelebrating the departure of the katcinas, although there are several commemorating their advent. Thus, the Soyaluna dramatizes the advent of the Water-house or Rain-cloud clan's katcinas, the Pamürti that of Zuñi clans, espeeially Asa and Honani, and the Powamû the advent of the ancients of the Katcina clans.

## Tcciatikibi, Snake Dance

The Snake dance has no masked performers, and the artist hats not drawn pictures of any of the partieipants.

## Leleñti, or Leñpaki, Flute Dance

The Flute dance also has no masked personators, and the artist has furmished no picture of participants. It might have been well to have obtained pictures of the Flute girls and youth, but photographs have been published ${ }^{t}$ which show their paraphernalia better than native pictures. The Snake girl is dressed almost identically as the Flute girl, as shown by the figures mentioned.

[^26]
## Bulitikibi, Butterfly Dance

The Butterfly festival, which is occasionally celebrated in Sichumovi, differs from the Lalakoñti, Manzrauti, and Owakïlti by the absence of secret rites, altar, tiponi, or other fetishes. While these three festivals are nine days long, with many elaborate secret rites, Bulitikibi is a one-day`s public dime. without secret rites.

The artist has figured two Buli manas or Butterfly girls as they are dressed when taking part in this dance, and a leader bearing a pole with attached streamers (see plate lori). Many men and girls participate in this dance, their dress and paraphernatia corresponding rery elosely with that of the Tablita dancers of the Rio Grande pueblos.

## Lalakoñti

This festival is one of the most regular in the Hopi calendar, occurring each year in September. It is a woman's dance, with many secret rites, an elaborate altar, and a public exhibition, during which baskets and other objects are thrown to the assembled spectators. Most of the women who take part in this dance carry baskets. which they move in eadence with their songs. There are two maids called the Lakone girls, who throw the baskets and other objects to the spectators.

The Hopi artist has represented the latter dressed in their customary paraphernalia (phate $\mathrm{L} \boldsymbol{r}$ ), but there is a slight difference in the dress of these girls in the Lalakoñti at Walpi and at the other pueblos."

## Owakéliti

This is likewise a woman's basket dance, which is oceasionally celebrated at Sichumori, but is not an annual festival at that pueblo. Like the Lalakonti it has an elaborate altar which, however, differs rery widely from that of other basket dances.

The Lalakoñti was introduced into Tusayan by the Patki or Raineloud clans; the Owakïlti was brought from Awatobi by the Pakab and Buli clans.

## Manzrauti ${ }^{b}$

This festival is likewise a woman's dance, but the participants, instead of carrying baskets in their hands, as in the Lalakoñti and Owakulti, carry slats of wood bearing appropriate symbols.

Two girls called the Mamzrau manas (Mamzrau maids) appear in this dance, and throw objects on the ground. The Hopi artist has made two pictures of these girls, which show the style of their dress and paraphernalia (see plate wr).

[^27]
## DESCRIPTION OF THE PICTURES

The symbolism of the different beings mentioned in the preceding pages may be sufficiently well made out by an examination of the following pictures and descriptions; but in order to facilitate references they are arranged, so far as possible, in the sequence in which the beings they represent appear in the Hopi ferial calendar. As the principal symbols are always delincated on the mask, special attention is given to the head in these descriptions. The words "head" and "mask" are used interchangeably.

The collection does not contain representations of all katcinas with which the Hopis are acquainted, nor is it claimed that pictures made by another man might not vary somewhat from those here figured. The chief symbolic designs characteristic of different gods are, however, brought out with such distinctness that all would be immediately recognized by any intelligent Hopi.

## Pamürti Ceremony

## PAUTIWA

(Plate II)
The picture of the Zuñi" sun god, Pautiwa, has a horizontal dumb-bell-shaped design across a green face, and a long protuberant snout. ${ }^{b}$ It has terraced symbols, representing rain clouds, attached to each side of the head, and a pine-bough collar tied around the neck. The head is crowned by a cluster of bright-colored feathers, and white cotton strings hang from the hair.
The figure carries a skin meal pouch and a wooden slat (moñkohû) in the left hand, and two crooked sticks in the right. The blankets, kilt, great cotton girdle, and other bodily paraphernalia are similar to those in other pictures.
From his preeminence in the Pamürti, Pautiwa ${ }^{c}$ is evidently a very important god, and, although his objective symbolism is unlike that of other Hopi sun gods, the part he plays is so similar to that played by Ahiul that he may be identified as a sum god. As the Hopi representation was derived from Zuñi, we may look to students of the mythology of that pueblo for an exact determination of his identity.

Pautiwa was a leader of the Pamürti at Sichumovi in 1900. and the part was taken by Homovi. The ceremony opened by Pautiwa, fully masked and dressed, going from kiva to kiva informing the men that a meeting would be held at Homori's house on a certain date not

[^28]many days distant. At each kiva Pautiwa unmasked and smoked with the kiva chief.

At the meeting it was decided what personations should appear in Pamürti and who should take part.

## CIPIKNE

(Plate II)
Another Zuni katcina who appears in the Pamürti is called Cipikne, a drawing of whom is here given. In the picture the color of the mask is yellow, and there is a protuberant snout painted bhe. Across the face the painter has drawn a dumb-bell-shaped symbol colored black, with a red border, resembling a like design in the Pautiwa figure. On the head there is depicted a bundle of feathers, and a collar made of the same objects is represented about the neck.

The symbolism of Cipikne resembles that of Cuñi beings called Salamopian." with which he would seem to be identical. In the festival mentioned the Hopis personated two Cipiknes, differing only in color. The Zuñis are said to be acquainted with several Salamopias of different colors.

## HAKTO

(Plate II)
The picture of Hakto, also a Zuñi katcina, shows a being with rounded helmet, having a characteristic Zuñi collar on its lower border. The face is painted green, with yellow and red marks on each temple. A horizontal bar, to the ends of which hang worsted and red horsehair. is attached to the top of the head.

Elk and deer horns are represented in both hands, and the kilt is made of buckskin.

## CALASTACANA

(Plate II)
This picture represents a Zanii katcina of the same name. ${ }^{c}$ which, like many others derised from this pueblo, has a collar on the lower rim of the helmet. On the right side of the head there is a horn, and on the left a projection the edges of which are terraced. A few yellow feathers appear in the hair. The artist has represented over a calico shirt a white cotton blanket with green and black border, the lower part of which partially conceals a ceremonial kilt.

In the left hand the figure carries a pouch of sacred meal, a crook,

[^29]


HUTUTU*

TCOLAWI:ZE



HUIK

and a bow. It has a quiver full of arrows hung on the back, and a bundle of sheep seapule in the right hand. The leggings are fringed and the heel bands ormamented.

## HUTUTE

(Plate III)
The figure of Hututu" differs from that of Caiastacana in wearing an antelope skin instead of a woman's white blanket. Its mask differs from that of the Zuñi being of the same name in having the terraced ornament on one side of the head replaced by a horn.

HU1K
(Plate III)
This katcina, which, like the preceding. appear: in the Pamürti, has some of the facial symbols of the Snow katcina. There are two terraced rectangular designs on the face, one inelosing or surrounding each eye. Four large eagle feathers, two on each side, are attached longitudinally to the top of the head, and there are rariegated feathers on the crown. The figure is bearded. The kilt is colored green, its lower margin being rimmed with a row of conieal tinklers ${ }^{b}$ resembling those on the kilts of the Snake priests.

## TCOLAWITZE

(Plate III)
The Hopi artist gives a fair representation of Tcolawitze as he was personated, but has failed to draw the cedar-bark toreh which he ordinarily carries.

He bears a bullroarer in the right hand, a bow and arrows in the left. He also has a few rats in one hand and a jack rabbit on his back. so that he is here depieted as he is often personated in rabbit hunts. ${ }^{c}$

In the Pamürti Tcolawitze was personated by a naked boy whose body was eovered with round dots, painted with different colors, as shown in the pieture.

LOIICA
(Plate III)
Traditions refer this personage to the Asa clan, whieh is commonly regarded of eastern origin. His pieture is simple, with no characteristic symbolism.

[^30]TCAKWAINA ${ }^{a}$

(Plate IV)
The matriarchal elan system is well preserved in the personages represented in the Tcakwaina katcina dances. In them there are the Tcakwaina men, the elder sister, the mother, the uncle, his brothers and sisters-in fact, representatives of the whole clan. The following pictures occur in the colleetion:

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Tcakwaina (male) Teakwaina mana Tcakwaina yuadta (his mother) Tcakwaina taamû (their uncle)
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These pietures afford interesting examples of katcinas introdueed by a Tewan clan, the $\Lambda$ sa, and when the personations or the drawings representing the Hopi personages are compared with those of Zuñi, eastern Keresan, and Tanoan pueblos, where similar Teakwaina dances are celebrated, it will probably be found that there is a close resemblance between them. The Asa or Teakwaina people also claim to have introduced into Tusayan Loiiea and Kokopelli, pietures of which are given in plates in and xxv.
TCaKWaina (Male)

The pieture of the male Tcakwaina has a blaek, glossy ${ }^{b}$ faee, with white bearded chin and serrated teeth. The yellow eyes are crescentic in form, and there is a warrior emblem attaehed to the hair. The shoulders are painted yellow, the body and upper arms blaek. As this being is regarded as a warrior, his pieture shows a bow and arrows and a rattle. The kilt, probably buckskin, is undecorated, but is tied by a belt ornamented with the silver disks so eommon among Zuñis and Navabos.

A helmet of Tcakwaina which is said to be rery ancient and to have been brought to Tusayan by the Asa people when they came from Zuñi is exhibited in one of the kivas at the festival of the winter solstiee. The eyes of this mask are round instead of crescentie, and its snout is very protuberant. Curved sticks like those used by girls in dressing their hair are attached to this mask.

The introduction of a personation of Tcakmaina in the Pamürti is fitting, for this festival is the katcina return dance of the Teakwaina or Asa clans. The Pamürti is a Zuñi dance, and the Asa are represented in Zuñi by descendants of those Asa women who remained there while the rest went on to Tusayan. This explains why the Zuñis claim this settlement as one of their pueblos in Tusayan.

[^31]

TCAKWAINA



TCAKWAINA TAAMU

rCAKWAINA YUADTA

A number of traditions are extant regarding a warrior maiden who was dressing her hair in whorls above her ears when the pueblo in which she lived was attacked by hostiles. The men, aecording to these stories, were away when the attack began, and the defense fell upon the women. The girls, with their coiffures half made, seized bows and arrows and rushed to defend the pueblo. The eldest sisters of the Teakwaina, often called the Tcakwaina maids, are mentioned in this eonneetion, and the artist has pictorially represented this legend.

As shown, the hair on the right side of the head hangs loosely, tied in a bundle near the scalp, but on the left side it has been partly wound over the $U$-shaped stick ${ }^{a}$ customarily used in making the headdress. To complete the coiffure this stiek would have been drawn out, leaving the whorl, but, as the story goes, the enemy were upon them before this was possible, and the maids, with hair half dressed, seized the weapons of war, bows, and quivers of arrows, which the picture represents, and rushed to meet the foes.
The remainder of the symbolism on the face of the girl, as the pieture shows, resembles that of her brother, save that the eyes are round and not crescentic. Like that of another maid called Hěhĕĕ, who appears in the Powamû festival, this picture has a small beard below a hideons mouth.

## Tcakwaina Yuadta

The picture of the mother of Tcakwaina (yuadta, his mother) has a general resemblance to that of her son and daughter (Tcakwaina mana), as here shown. She wears a black mask, and has a white mouth and red beard. Her eyes are lozenge shaped. Her hack blanket is deeorated with white crosses. She bears, as a warrior symbol, an eagle feather, stained red, tied to the crown of her head, and calries a rattle in ber right hand.

## TCAKWAINA TaAMU

The Tcakwaina uncle has little in common in symbolism with any of the other three; in fact, there is nothing which suggests the sister. The mask is painted green, with a border of red and yellow: the eyes are black, the beak is curved and pointed. The picture has a representation of a squash blosson on each side of the head and variegated feathers on the erown.

[^32]
## SIO HUMIS

(Plate $\mathrm{V}^{+}$)
The picture ${ }^{d}$ representing a being called the Sio Humis or the Zuñi Humis has on the head a representation of a tablet with the upper border cut into three semicircles, symbols of rain clouds. The white figures paintcd on this tablet represent sprouting squash seeds, and the yellow disks sunflowers. The curved bands orer the forchead are symbols of the rainbor. The face is divided by rertical bands into two ficlds of different colors, in which are representations of eyes and symbolic figures of sprouting gourds.
The figure has a rattle in the left hand and a sprig of pine in the rigit, and a turtle shell is tied to the right leg.
The supernatural here depicted was, according to legends, introduced from Zuñi during the present generation by a man now living in Hano, who has a large number of helmets bearing the above-described designs.
The meaning of the name Humis is doubtful. It is sometimes derived from Jemez. the name of an Eastern pueblo, and sometimes from humita, corn. The former derivation would appear more reasonable.

$$
\text { SIO ILUMIS TAAM } \hat{\mathrm{U}}^{\delta}
$$

(Plate V')
The picture gives a fair representation of the uncle of Sio Humis as personated in one of the dances of Pamürti. The rounded helmet has a single apical gourd horn, painted black and white at its junction with the helmet. On cach side of the head is a symbolic squash blossom, made of a wooden cylinder with radiating sticks connccted br yarn. A broad black band extends horizontally across the eyes, below which is an elongated snout. The neck has a collar of pine twigs, and to the back of the head are tied black and variegated feathers.
The figure has in its hands a yucca whip. The personator parades before the line of dancers with an ambling step, hooting as he goes.

SIO AVATC HOYA
(Plate V)
Men personating Sio Arate hoya accompany those representing Sio Humis in the Pamürti. They are dressed as women and perform the same part as the katcina maids in some other dances; that is, they accompanied the songs with a rasping noise of sheep scapulæ scraped over a notched stick.

[^33]

SIO HUMIS


SIO AVATC HOYA


In the pietures the masks are painted back，upon which field is a zigzag vertical median hand with red horders．Their eyes are stel－ late，consisting of round spots from which radiate blue bands．The snout is prolonged，and attached to the left of the head there is an artifieial squash－flower symbol，while on the right two eagle feathers． with a bundle of horsehair stained red，are tied vertically．Their kilts are decorated with triangular figures like those on women＇s blankets．They have sprig＇s of cedar in the belt and carry branches of the same tree in their hands．

## WビWU゙YOMO

（Plate ${ }^{\top}$ ）
The Honani elan at Siehumovi have in their keeping four disk－ form masks，the symbolie markings of which resemble those of the sun mask of the Katcina clan．They were not worn in 1900，but in the festival of Pamürti were arranged，with four Zuñi Calako masks， on the floor in the house of the oldest woman of the Honani or Badger clan，in whose keeping they are，forming a kind of altar before whieh the men danced．

The artist has given a lateral view of a man wearing one of these objects．

The mask is flat and is divided by a median line into two parts，one green，the other yellow．The chin is painted black；the middle of the face is oceupied by a black triangular design from whieh protrudes a snout eurved upward．There are zigzag lines on the periphery of the mask，representing plaited corn husks，in whieh are inserted two kinds of feathers，three of which are longer than the remainder．There is a fox skin about the neek．

The blanket is white，undecorated，and eovers a ceremonial kilt，the green border of whieh appears in the figure．The figure shows knit eotton leggings and heel bands decorated with stars or crosses． In the left hand is represented the skin meal pouch，and in the right a staff，both of which the personator is said to carry．

The symbolism of the mask as well as that of the dress is so close to that of Ahül that this being would seem to bear a relation to the Honani clan like that of Ahül to the Katcina clan．

Aecompanying Wüwüyomo was a figure（not here reproduced）of his warrior eompanion，Kalektaka，who wears the warrior feathers on the head and a bandoleer over his shoulder，and carries a whizzer，a how，and arrows．It was pointed out by several of the old Hopi priests that this partieular warrior wears the embroidered parts of the sash in front of his waist，as the artist has represented it in his picture，instead of at one side，as is usually the case．

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## SlO CALAKO

## (Plate VY)

This picture represents one of the Zuñi giants personated in Sichumori in July. " whose masks were introduced from Zuñi by Sala, father of Supela, and wre now in the keeping of the Honam clan, of which he was a member.

In the personation of these giants, the mask is fastened to a stick, which is carried aloft by a man eoneealed by blankets which are extended by hoops to form the body.

The head of the figure is smmounted by a crest of eagle feathers which are tipped with small breast feathers of the eagle. There are two lateral horns and a protruding snont; a symbol in the form of an arrowhead is painted on the forehead. The eyes are shown as globular, and are situated on a horizontal black band which crosses the upper part of the faee, and around the neek is a collar of back feathers.

The body is represented as covered below with a blanket upon which are rertical masks representing feathers, or with a garment of feathers, characteristic of these giants, and over this, on the upper part of the body, is a representation of a white ceremonial blanket with triangular designs, symbols of rain elouds.

The helmets or masks of the Zuñi Calakos were displayedat Pamintiti ${ }^{b}$ with those of Wiiwüyomo in the ancestral home of the Honani clan, to which they belong.

## HELILC̈LÜ

(Plate VI)
The figure of this katcina as drawn by the Hopi artist has two horizontal eagle feathers attached to the head and a cluster of red feathers and hair hanging on each side, which is a rery uneommon feature.

The figure has a mountain lion skin around the neek, and is represented with yucea whips in the hands. The rows of sumall tin cone or shell rattles (called helilülu) along the lower rim of the kilt, shown in the picture, have probably led to the name by which it is known.

WOE
(Plate VI)
The symbolism of Woe katcina is a cherron across the nose, a symbolical design identical with that of the eagle, and figures of artificial flowers on the head. Two persons, a man and hoy, represented the Woe kateina in a Buffialo dance in the winter of 1899-1900.

[^34]

The eagle is symbolic of the sun or sky god, and its appearance in a Buffalo dance is appropriate, since the Buffalo girl wears a sun symbol on her back.

## WOE AND TEUTCKUTÔ

(Plate VI)
Another picture represents Woe and two gluttons as they appear in one of the dances. The gluttons' bodies are painted yellow and their faces have red parallel bands across the cheeks extending from the eyes and the corners of the mouth to the ears. ${ }^{*}$ They hare car pendants ${ }^{b}$ and necklaces of rabbit's tails. Over the shoulder each has a bandoleer, to which a roll of paper-bread or piki is attached. Two bowls with bundles of food are drawn at the side of the main figure. Woe has a chevron design painted red on the nose and cheeks, turquoise ear pendants, and sheepskin wig. The legs, body, and arms are colored brown and white. The figure wears a bandoleer and white blanket, with red sash.

## Powamû Festival

The following personages appear in this festival:

| Ahül. | Hehěĕ. |
| :--- | :--- |
| Katcina mana and Kerwan. | Hehea. |
| Eototo and Woe. | Hehea mana. |
| Tumas and Tuñwup. | Telavai. |
| Hahai wüqti and Natacka mana. | Powamû. |
| Tehabi and Tuñwup taamû. | Wüwüyomo. |
| Natacka naamû. | Atocle. |
| Kumbi Natacka. | Awatobi soyok taka. |
| Soyok wüqti. | Awatołi Soyok wüuti. |

AHÜL
(Plate VII)
The fignre of Ahal has all the symbolism characteristic of this god when personated as leader of the katcinas in their ammal return to Walpi in the Powamû festival.

The disk-shaped mask is crossed by horizontal bands painted white and black, separating the face into a lower part, colored black, and in upper, which is divided into yellow and green zones, the former being turned to the observer. Black crosses cover these two upper zones. In the middle of the face is painted a triangular black figure, and to the middle of the horizontal bands which separate the chin from the two upper zones there is attached a curved representation of the beak, painted green.

The zigzag lines around the periphery of the disk represent plaited com husks in which are inserted eagle or turkey feathers, the tip- of

[^35]which are colored black. The red lines interspersed with these feathers represent horsehair stained red.

The reddish-brown body about the neck represents a fox skin. the lege and bushy tail of which are indicated.

The picture shows a ceremonial blanket or kilt. colored green, with embroidered edye, aromed the body, and a similar kilt on the loins. The ceremonial dance sash is represented on one side, hanging down to the right knee.

The network leg-corering represents the garment worn by the sum god, and the row of globular bodies down each leg are shell tinklerr. The moceasins are painted green and the anklets are ormamented with terrace designs in red, representing rain clouds.

In the left hand there are a small meal ponch made of a fox skin with dependent tail, a bundle of bean sprouts painted green, and a shat of wood. dentate at each end, representing a chief"s badge. In the right hand is a staff. on the top of which are drawn two eagle feathers and a few red horsehairs. Midway in its length is tied an ear of corn, a crook, and attached breast feathers of the eagle.

IIAHAI WÜQTI
(Plate ViI)
The picture of Hahai whiqti, like that of Kokyan (spider) wüqti (woman), has eyes of ereseentic form. The hair is done up in two elongated bodies which hang by the sides of her head, and she has a bang of red horsehair on the forehead. She wears a red fox skin around her neck, and to her waist are tied two sashes. the extremities of whieh, highly emhroidered, are shown in the pieture. In her right hand she carries a gourd."

Hahai wïqti appeat: in the kiva exhibition of Palälükoñti, or Ankwanti, when she offers sacred meal to the Snake effigies for food and presents her breasts to them to suckle. The best representation of Hahai wüqti is at Powamu, when she accompanies her children, the monsters called Natackas. In both festivals she wears the paraphermalia shown in the figure. ${ }^{\text {b }}$

## TUMAS

(Ilate V'II)
Tumas is the mother of Tunwup, who flogs the ehildren in the Powamit festival. Her mask, as shown in the drawing, ${ }^{e}$ has fan-like

[^36]
appendages made of crow feathers on each side. On the top of the head are parrot feathers and hreast feathers of the eagle. The edge of the mask is surrounded by woven yarn colored black and red. The face, which is painted blue, is almost eovered by a triangular hatek figmre rimmed with white oecupying the position of the mouth.

A fox skin is about her neck; she wears a woman's decorated blanket, and carries a meal plaque in her hands. When the flogging of children takes place at Hano, Tumas stands at the foot of the kira ladder while her two sons, called Tuñwup, perform this act.

## TUÑWUP

(Plate VII)
With the picture of Tumas the Hopi artist has also introduced figures of her two sons, Tuñw, as they appear in the child-flogging in Powamû. Tuñwup has a white mask with black, prominent eyes. An arrow-shaped figure is painted on the forehead, and there is a horn on each side of the head. "

The mouth is large, of rectangular shape, and there is a fox skin about the neck. The body is painted black with parallel rertical white markings. A belt made of ears of different-colored corn strong together girts the waist. The kilt is made of a fringe of red horsehair, and the heel bands are of the same material. There is a yneea whip in each hand.

Details of the eeremonial Powamî child flogging at Walpi and Hano vary somewhat. In the Hano celebration an altar is made in the kiva at that time by the ehiefs, Anote and Satele, both of whom place their official badges npon a reetangle of meal drawn on the kiva floor. Into this reetangle the children are led by their foster parents and flogged in the presence of the inhabitants of the pueblo.

The two floggers, Tuñrup, stand one on each side of the figure made of meal, holding their whips of yucca. As they dance they strike the boys or girls before them as hard as they ean, after which they pass the whips to a priest standing by. After each flogging the yueca whips are waved in the air, whieh is called the purfieation. After the children have been flogged many adults, both men and women, present their bared bodies, legs, and arms to the hows of the yneea whips.

In a dance in the Walpi kivas, at the opening of the Powamû festival, in which fifteen or twenty Tuñwups were personated, sereral of thein number, as well as spectators, were terribly flogged on hare baeks and abdomens.

As the figure of Tuñwup is a conspicuous one on the altar of the

[^37]Niman Katcina in sereral Hopi puchlow, it is probable that this supernatural beinge was introduced from a ruin called Kicuba, once inhabited by the Kateina clan.
The following' beings form the 'Tunwup group, personations of the ancients of the Kate inal clan:

> Tuĩwup tacakti (men).
> Tumas (mother of Tuñwup).
> Tuñup taamut (their uncle).

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TEHABI AND TUN゙WUP TAAMU
(Plate VIII)
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A dratwing of a mudhead clown bearing on his back a figure resembling Tuñwup was identified as representing Tehabi. These two were accompanied by a third figure called Tuñwup tamâ (Tuñwup, their uncle), the wholr picture representing an episode in one of the erremonies.
Tuñwip: macle hat a green mask, two horns, great goggle-eyes, and a black hand with upright parallel white lines across the face. The figure is bearded and has a fox skin about the neck. The body is dambed black. but weans a white ceremonial kilt with red and black border. which is tied to the waist by a large white cotton kilt. Like his nephew, he carries yuca whips.

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KERWAN AND KATCINA MANA
(Plate VIII)
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These tro figures illustrate one of the most beautiful incidents in Powamut. when the beans which have been artificially sprouted in the kivas are brought out into the plazas and distributed. The two tigures represent male and fenale persons, and between them is a flat basket in which are carried the bean sprouts which have been grown in the kiva.
Kerwan hat a green mask with eyes and mouth indicated by black crescents. On the top of the head there are two eagle tail feathers and a cluster of parrot and cagle breast feathers. The female figure has hair hanging down the back, a yellow masquette with red horsehair before the face, and an eagle breast feather on the crown of the head. She wears a woman's blanket tied abont the waist with a large cotton belt, the whole corered by a white hanket.

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SOYOKOS (MONSTERS)
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The name Soyoko is applied to certain monster: called Natackas, which appear in Powamu. There are three sets of Natacka masks on the East mesa-one in Hano, in the keeping of the Tobaceo clan. now hanging in a back room of Anote's honse: another in Sichumori: and a third set in Walpi.


KERWAN AND MANA

These Natackas are undoubtedly derived from eastern paeblos, for they are represented at Zañi by the so-called Natackó, which they closely resemble in symbolism. They were introduced into Tusayan by the Tanoan colonists, the Asa and the Hano clans, the Middle mesa Natackas being simply derived from the East mesa. They are not found at Oraibi, as these clans are not represented there.

Besides the Soyoko or monsters which regularly appear in the Wrapi Powamû, there are other similar bogies which make occasional visits. Two of these, called Awatohi Soyok taka and Sorok wüqti. were derived from Awatobi, one. Atocle, from Zuñi, and one, Tcabaiyo. ${ }^{\text {a }}$ is of unknown derivation. All apparently have the same function, but there is only a remote similarity in their symbolism.

The name Soyok or Soyukû, given by the Hopi to the Natackas, is linguistically a Keresan word, and as the mythologic conceptions and objective symbolism are very similar in the two stocks, we may regard the Hopi being as a derivation from the Keresan. The faet that these personages are found in the Hopi pueblos where there are other evidences of incorporation from eastern puehlos tells in faror of the theory that they were brought to Tusayan from eastern pueblos.

In the personation of Natacka we find also a person called mamû, their father. The following list includes the rarieties of these personations:

Nanatacka tatakti (males).
Nanatacka civaamû (their sisters).
Natacka wüg̨ti (mother).
Natacka naamú (their father).
Natacka Nahyê
(Plate IX)
The father as figured by the artist has on the head a crest of turkey tail feathers and two eagle feathers, eaeh tipped with a red breast feather. He has a goggle-eyed black mask with a trifid symbol on the forehead and a curved horn on each side of the heack.

The father of the Natackas appears at Powamu with their sisters and Hahai wüqti, and the three visit all the houses of the puchlos.b .

During these risits Hahai wügti carries on a conversation with immates of the honses in a falsetto roiee, and gives to the men or hors a mouse trap made of yucca tiber, and a stick, telling them that in cight days she will return with her children, the Nataekas; that they must trap game and procure meat for these when they come. To the woman of the house Hahai wiuqti gives an ear of corn, telling her to grind it and have meal and bread for the Natackas when they return.

Kembi Natacka

(Plate IX)
The hack Natacka has a black mask with goggle eyes and with a green arrowhead on the forehead. It has two horns, one of which the artist has represented, and a erest of conventional cagle wing feathers rising from a bunch of black feathers on the back of the head. A fox *kin langs about the neck. Kumbi Natacka wears a buckskin garment over a calico shirt, and carries a saw in one hand, a hatchet in the other. The hlack objects hanging over the shoulder are locks of hair, from which depend eagle tail feathers.
The small figure accompanying Kumbi Natacka represents a Hehea katcina, two or more of which go with the Natackas in their begging trip through the pueblos. The body is covered with phallic symbols, and a lasso is carried in the right hand. The leggings are of sheepskin stained black. The face has the characteristic zigzag symbols of Hehea. ${ }^{\text {a }}$

Kutca Natacka<br>(Plate IX)

The white Natacka resembles the black, save that the mask is white instead of black. He also carries a saw in his right hand, and a yucea whip in his left. In the personations of this Natacka the men, as a rule, carry bows and arrows in their left hands.
There are also Natackas of other colors which the artist has not figured.

> Natacka Wüqti, or Soyok Wüqti

## (Plate X )

Soyok wüqtib has a large black mank with great yellow goggle eyes, and red beard and hair, in which is tied a red feather. symbol of death or war. She carries in one hand a crook to which several shell rattles (mosilili) are attached, and in the other a huge knife. She is much feared by the little children, who shudder as she passes through the pueblos and halts to threaten with death those she meets. She appears at Powamî at about the same time as the Natackas. but does not accompany them.

The episode illustrated by the figure shows an interview of the Soyok woman and a lad who is crying with fright. The woman has demanded food of the boy, and he offers a rat on the end of a stick. The bogy shakes her head, demanding a jack rabbit which the boy carries in his right hand.

[^38]



The sister of the Natackas, called also Natacka mana and Soyok mana, ${ }^{\text {a }}$ accompanies her brothers on their begging trip through the pueblos of the East mesa. Her picture represents a person with black mask and white chin, and with hair arranged in two whorls orer the ears, as is customary with maidens. She has round, green eres, a square mouth with red teeth, and a beard. On her back she carries a basket suspended by a band which passes across her forchead. In this basket she collects the meat and bread which the Natackas obtain from the different houscholds. Her clothing is a woman; hanket, over which is thrown a buckskin, and she carries in one hand a large knife.

## HEHEA

(Plate XI)
Hehea kateina, like many others, may be personated without kilt or in complete dress. In the former case a sheepskin replacing an old-time buffalo skin is hung orer the shoulder and phallic emblems are painted on arms, legs, and body. The mask is decorated with the zigzag marking on each cheek. In this form Hehea appears in certain kiva exercises at the ceremonial grinding of meal by the Aña katcina manas. We also find him associated with the Corn maids and with the Natackas. The phallic symbols are depicted on the bodics of the Wüwütcimtû and Tataukyamî in the New-fire ceremony, and there are other evidences which associate the former with Hehea.

A picture of this form of Hehea was drawn, but has not been reproduced. It represents a large and small Hehea, each with characteristic zigzag symbols on the face and with oblique eyes and month. Both have phallic symbols on body and limbs, and wear artiticial flowers on their heads. ${ }^{\text {b }}$

The body has a sheepskin covering stained black and leggings of same material, which have replaced buffalo skins formerly used for the same purpose. Each carries a lariat, the use of which is explained in the account of the risits of the Natackas on their begging trips to different houses.

Another picture of Hehea, which also represents a primitive conception of this personage, has a kilt and the claborate dress in which he sometimes appears in ceremonial public dances. It is reproduced in plate xi.

[^39]Hehea is evidently an ancient katcina. "and from his appearance in many primitive wemonies, public and sectet, we may regard him as comected with a very old ritual.

The Wiunzitcimtê priests in the New-tire celehration at Walpi often decorate their faces (masks are not used in this rite) with the symbols of Hehea, and he is intimately associated with Corn maids (Palahiko manal " of the Mamzrau festival.

HEIIEA MAN゙A
(Plate NI)
The Hehea mama, sister of Hehea, accompanies the Natacka group in Powamut. She is represented by the artist with the characteristic coiffure of a maiden, and has the same zigzag factial lines as her brother. On her ams are the same phallic symbols, and in her hand she carries a lariat.

If any one refuses to grant the requests of the Natackas for meat or food, both she and her brother try to lasso the delinquent.

## HELHEG

(Plate Xi)
This figure represents a warrior maid who sometimes appears in Powamut. There is such a close resemblance between her and Teakwaina mana (see page 63) that they would seem to be identical personages. The reason for her unfinished coiffure is given in the account of the Teakwaina maid.

AWATOBI SOYOK TAKA
(Plate NII)
The massacre at Awatohi took place just two centuries ago, but there are several katcinas surviving in Walpi which are said to have been derived from that pueblo. Among these may be mentioned two bogies called Soyok taka and Soyok mana, male and female monsters. These are occasionally personated at Walpi, and, as their names imply, originally came from A watobi. Soyok taka corresponds with Natacka, and probably both originally came to Tusayan from eastern puehlos.

Soyok taka wears a mask without distinct symbolism, and has a protuherant snout, with teeth made of corn husks. He has goggle eres and hair hanging down orer his face. His garment is a rabhitskin rug, and, like Natacka, he carries a satw. On his back hangs a hasket containing at child whom he has captured.

[^40]



TCABAIYO


ATOCLE

# AWATOBI SOYOK WC̈QTI 

(Plate XII)
The figure of the Awatobi Soyok woman differs but little from that of the Walpi, but has prominent corn-husk tecth and two white parallel hars on eaeh eheek. These two symbols were in fact said to distinguish the Awatobi from the Walpi Soyok wügti: sereral priests ealled attention to the differenees when the pictures were shown them.

## TCABAIYO

(Plate NIII)
Tcabaigo is still another of the bogy gods. The mask belongs to Honyi, of the Snake elan, who alwars personates this being. The pieture represents him in the aet of seizing a small boy who. from the zigzag marks on his face and the sheepskin blanket, may he a Hehea child.

Teabaiyo is threatening to kill the boy with the great knife which he earries in his left hand. In the picture the black mask has a long swollen proboseis. The eyes are protuberant, and there is a broadheaded arrow in the middle of the forehead. A white crescent is painted on the eheek. Feathers of the eagle wing form a fan-shaped erest, and a bunch of feathers is tied to the back of the hehmet. Teabaiyo wears a fox skin about the neck. Feathers of the eagle tail are attached to his upper arm. The red-colored garment represents a buekskin; that part of the dress in the form of a white mans waisteoat is an innoration. Arms and legs are spotted with blaek dots and the breeeh elout is held in place by an embroidered sash.

Tcabaiyo oecasionally appears in Powamut and his symbolism has a close likeness to that of other Natackas or Gorokos. Though he is referred to the Soyoko or Natacka group, he is supposed to be derived from a different clan, and he bears a name eharaeteristic of that elan.

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ATOCLE .
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(Plate XIII)
There is still another of these Soyokos (monsters) whose functions are nearly the same as those of the sister or mother of the Natackas. This personage has a Zuñi name, Atocle, " whieh betrays her origin. Atoele is an old woman, personated by a man, who goes about the Zuñi pueblo frightening ehildrem in much the same way that Soyok wüqti does at Walpi.

[^41]The Hopi variant, as shown in the picture, has a black helmet with projecting flat snout, and a mass of hair to which is attached a red feather. In one hand is a bow and arrows, in the other a knife, suggesting weapons for her function. She is accompanied by a clown. who holds her back by a lasso tied about her waist.

## so WC̈QTI

## (Plate NIV)

So wüqti, Grandmother woman, is here represented by the Hopi artist as clasping hands with her child, a Powamû kateina. On each cheek there is a red spot, and in her hair is an artificial flower. She carries on her back Hehea, her grandchild, as the zigzag marks on his face clearly indicate, and has a pine bough in her hand. The fact that her grandehild has Hehea symbols would seem to refer her to the group to which the latter and his sister belong.

## MASAUU

(Plate XIV)
The picture of Masaut has a round helmet decorated with spots of different colors. At the top of this helmet there are many twigs, to which prayer feathers (makwakwocis) are attached. There is a decorated kilt around the neck, and a rabbit-skin rug, shirt, and kilt about the body. The legs and arms are painted red and spotted black. The two rings on the breast are parts of a necklace made of human bones. The figure carries a yucea whip in each hand.

EOTOTO
(Plate SIY)
This is one of the most important katcinas, and is very prominent in sereral celehrations.
The artist's picture of Eototo has a white head corering, with small holes for eyes and mouth, and diminutive ear appendages. There is a fox skin about the neck.

The blanket is white, and is worn over a white kilt tied with an embroidered sash, the ends of which are seen below. The figure also has knit hose and heel bands. In the left hand there is a skin pouch of sacred meal and a chicf"s badge " (monkohî), while the right hand carrics a bundle of sheep scapula and a gourd bottle with water from a sacred spring. ${ }^{\text {k }}$

Eototo is one of the most prominent masked perwonages at Walpi

[^42]

in the celebration of the Departure of the Katcinas. On the last morning of that festival he is accompanied by three other katcinas who march around the kiva entrance, holding conversation with the chief below and receiving offerings, as bas been described elsewhere. ${ }^{"}$

The god Eototo was introduced from the old pueblo, Sikyatki, and his old mask or helmet is in the keeping of the descendants of the Kokop family, which once inhabited that pueblo. The close similarity in symbolic designs to Masauî, also a Sikyatki god, shows that the two names are virtually dual appellations of the same mythological conception, but that they originated in this pueblo is not yet proved.

One of the most interesting personations of Masanû appeared in Powamû in 1900 , when a man represented this god in the five Walpi kivas. He wore a helmet made of a large gourd, pierced with openings for eyes and mouth and painted black with micaceons hematite sprinkled orer them. He and a companion carried old-fashioned planting sticks and imitated planting, while abont twenty unmasked men, representing a chorus called Maswik ${ }^{b}$ katcinas, some personating males, others females, danced and sang about them.

At the close of the personation in each kiva, the representative of Masaun was loaded with prayer offerings. This archaic ceremony was regarded with great reverence and was shunned by all save the initiated.

KWA1IU
(Plate $\mathrm{N}^{\mathrm{N}}$ )
Kwahu, the Eagle katcina, is figured in the drawing with an eagle's head above the hemet in a way that recalls an Aztec picture. The characteristic symbolic marks of certain birds of prey, as the eagle and hawk, are the chevron marks on the face, which are well shown in this picture.

In personations of this and other birds the wings are represented by a string of feathers tied to the arms, as shown in the picture.

## PALAKWAYO

(Plate $\mathrm{NV}^{\prime}$ )
The symbolism of Palakwayo, the Red Hawk, is similar to that of Türpockwa, but there is no bird's head above the helmet. The figure also has the moisture tablet on the back. In each of the outstretched hands is carried a bell.

## KECA

(Plate $\mathrm{NT}^{-}$)
The figure of Keca, the Kite, has two parallel black marks on each side of the face, not unlike the facial symbols of the war god, Püulion hoya. The body is white with black spots representing feathers, hut the forearms and legs are painted rellow. The wings are imitated by a row of feathers tied to the arms, and the tail by feathers attached to the breechelont. Keta holds in his left hand a hare and in his right a rabbit.

1'AWIK ${ }^{*}$
(Plate XV )
Pawik, the Duck katcina, is represented in the accompanying pictures. The helmet is green with a long cursed snout painted yellow, around the base of which is tied wool stained red. The eyes are rectangular, the left vellow, the right blue. Two upright eagle feathers are attached to the left side of the helnet, near which is a bunch of horsehair stained red. On the right side of the helmet is tied an oroid symbol of an undereloped squash with a breast feather of the eagle projecting from one pole and red horsehair about its base of attachment. The upper part of the helmet is girt by parallel bands of black, yellow, and red. The lower rim has a black hand in which there are patches of white. The tree represented between the two figures is the pine.

TOTCA
(Plate XVI)
Tota. the Humming Bird, has a globular head painted blue, with long pointed beak. The dorsal part of the hody is colored green, the rentral yellow. The rows of feathers down the arms are wings, by a movement of which the flight of a bird is imitated.

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MONW1 AND KOYIMSI
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## (Plate NVI)

This personation of the Owl has a helmet with rows of parellel yellow, green, red, and black (reseents, and a prominent booked beak. He wears a rabbit-skin blanket tied by an embroidered sash, and holds a bow and arrows in one hand and a rattle in the other. The figure is accompanied by a clown who has a feather in each hand.

[^43]


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## 110sPOA

(Plate N゙1II)
Ho-poan the Road Rumer, as shown in the picture has a green helmet corered with rows of black and white creseents, a short beak. and stellate eyes.

On the back this hird has a painted skin stretched over a framework, called a moisture tablet. To each upper corner are attached tro feathers, which project horizontally, and along the edges is a string with attaehed horsehair stained red.

There is a flute in one hand a rattle in the other. The garments are a ceremonial kilt, girdle, and embroidered sash.

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PATsZRO
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(Plate NYIII)
Patozro, the Snipe katcina, has a figure of the smipe painted on the forehead. a long, slender beak, and semicircular markings on each cheek. These markings consist of white, red, and yellow bands, the first furnished with a row of black wings.

The body is naked, painted white on the ventral. green on the dorsal side. The tail feathers are tied to the belt in such a way that their extremities show behind.

The spots on the body represent small downy feathers attached by means of grum or some sticky substance.

## KOYONA

(Plate XVIII)
Koyona, the Turkey, has a green-colored helmet, with long extended beak and bright red wattles, which are made of flamnel eloth. The wings and tailare made of feathers attached to the arms and belt. There are many small feathers attached to the body with gum.

## KOWAKO

## (Plate SVIII)

The picture of Kowako, the Chicken katcina. has a red eomb and wattles: the body is painted red on the dorsal. white on the ventral side.

The personator wears a ecremonial white kilt with embroidered green border worked into rain-eloud symbols. The wattles and comb are made of red flamel, and feathers are tied to the arms for wings.

The figures of both Koyona and Kowako (Chieken) which the Hopis made are more realistic than the personations which were seen by the author. although the latter wear claborate masks. with wattles. comb,


HOSPOA


PATSZRO


KOYONA



MOMO

and beak, which are fine imitations of the heads of these birds. The realism of these masks, as compared with the conventionalism of the masks of Patszro, Kwayo, and others, would indicate the later introduction of Koyona and Kowako into the katcina cult.

NOMO
(Plate SII)
Momo, the Bee kateina, has a yellow head with black crescentic bands extending on each side from the globular eyes. The back of the head is banded yellow and green, and on the crown there are pedunculated bodies arranged in a row. with two long, stiff, black projections representing antenn. There are also feathers on the baek of the helmet. He carries a miniature bow and arrows. In the dance he imitates the hum of a bee, and goes from one spectator to another, shooting the blunt arows at them. To still the cries of children. due to mere fright, the Bee katcina squirts a little water on the supposed wound."

## TETAẼAYA

(Plate NIS)
The pieture of the Wasp katcina has body. legs. arms, and mask painted with parallel lines of green, brown. red, yellow, and hack. There are two straight vertical horns on the head and a long slim proboscis, also banded with black and white. This being is only oceasionally personated in the winter ceremonies.

TELAVAI
(Plate NX)
On the morning of the last day of Powamut, the beans which have sprouted in the kiras are plucked up and distributed by masked persons to all the people in the pueblos, who boil and eat them as a great relish. Each of the nine kiras delegates two or more men to distribute the sprouts grown in that kiva. From the fact that these men distribute the hean sprouts at early dawn, they are called Telavai (Dawn), although they represent Malo, Owa, Tacat, or others.

There are in the collection a mmber of paintings to which this name was given which did not appear in the Powanû in 1900.

The distinctive symbolism of Telavai is a rain-cloud design on eaeh cheek, and eyes that are each represented by a band having one end eurved. There are four horizontally arranged eagle feathers on top of the hemet, surmounted by a cluster of variegated feathers.
a In 1900 a small syringe was used for this purpose.
21 ETIL—O3-6

## OWA

## （Plates NX，LNII）

The figure of Owa has a helmet mask colored green，with yellow， red，and black lines drawn diagonally across the cheeks．The snout is protuberant and the eyes are represented by black bands．The hair hangs down the back．Parrot and eagle feathers are attached to the crown of the head．

The hody is painted red，and there are parallel yellow hands on body，arms，and legs．The ceremonial kilt about the loins is tied by a woman＂：helt and embroidered sack．A fox skin sometimes depends from the rear．Under the right knee is represented a turtle－shell rattle，and the figure has moceasins and heel bands．

Owa carries a bow and arrows in the left hand，and a small gourd rattle in the right．These are the presents which this being commonly makes to children in the Powamû festival．

MALO

## （Plate NXI）

In a draring of Malo katcina the artist has represented the main symbols of this being as he is seen when personated in dances．

The face is crossed by an oblique medial band，in which are rows of －pots．The face on one side of this hand is painted yellow，on the other green．The figure has a representation of a squash blossom on the right side of the head and two cagle feathers on the left，to which is attached a bundle of horwehair stained red．${ }^{\text {a }}$

HLCHIS

## （Plate バエI）

The figure of Humis katcina shows a helmet with a terraced tablet， symbolie of rain clonds．To the highest point are attached two eagle feathers，and to each of the angles of the lateral terrace a turkey tail feather and a sprig of grass．The whole tablet is rimmed with red and painted green，with designs upon it．Symbols of sprouting corn and termaced rain clouds appear on the flat sides．

The face of the helmet is divided medially hy a back band．in which are three white rings．On the right half of the face，which is hlue． there is on cach side of the eye－slit a symbol of the sprouting squash or grourd，replaced on the left side of the face by small smbols of rain clouds．Humis has a collar of pine boughs，sprigs of which are also inserted in the armlets，the belt and the kilt．The body is smeared with corn smat，and there are two pairs of crescents．painted back，

[^44]


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on the abdomen. Humis carries a rattle in the right hand and a sprig of pine in the left. A small black stick is tied to his left wrist.

The two figures which accompany Lumis represent Hano clowns, who are aceustomed to amme the audience during the celebration of the dances in which he appears.

Each clown wears a cap with two straight horms made of leather, with corn husks tied to the tops. The horns are handed altermately back and white, as are also the body, arms, and legs. The figure to the left has a bowl filled with Hopi wafer bread before him: the one at the right carries a roll of the same in his right hand.

The name Humis is supposed to have been derived from the pueblo Jemez in New Mexico and to be the same as the Zuñi Hemacikwi, a dance whieh is ordinarily eelebrated in summer.

## IIOPL AYATC IIOYA

(Plate NXI)
The Hopi Arate hoya aceompanies the Humis kateina, and, at may be seen by consulting the pietures, differs widely from the Sio (Zani) Arate hoya. The mask is panted black, with white rings; the hody, arms, and legs, are painted red. with white rings on the body and arms, and with haek rings on the legs. The mouth and eyen are represented by green rings. He wears cones made of corn husks in his ears and eurved feathers on the head. ${ }^{a}$

## IILHUAN

## (Plate XXI)

The pictures of Huhuan represent beings with a characteristic gat, who appear in Powamn, when they distribute gifts from one of the kivas.

They tear sheepskin caps and necklaces of mosaie ear pendants. They should not be confounded with the Barter katcinas, who trade dolls. ete. in certain festivals. Their symbolic markings are a checker band of white and colored squares covering the helmet.

> Nせ̈VAに
(Plate NXII)
There are three pietures of Nürak, the Snow kateina, two of which represent male personages and one a female. The latter is called the Cold-hringing woman, and is possibly mother of the former.

This personage ${ }^{b}$ is regarded by all the Hopi as a Hano (Tanoan) kateina, and the dance in which he figures is said to have been derived from the far east.

Near the settlement of Hano people at Isba, Corote spring, not far from the Govermment Honse, but on the right of the road from Keans: Canyon, there is a large spring called Monwiva, which is sacred to the Plumed Snake of Hano. In the Mareh festival, efligies of this monster are carried to this spring, where certain ceremonies are performed similar to those which the Walpians observe ${ }^{\text {a }}$ at Tawapa.

A year ago (1899) this spring, which had become partially tilled with sand, was dug out and walled, at which time an elaborate masked dance representing Nüvak kateina was performed near it. This intimate association between Paläliakoñ (Plumed Snake) and Nürak (Snow) appears on a mask of the latter. presently described and tigured.

The picture of one form of Snow katcina, shown in the accompanying figure, has rectangular terraced designs on the back of the head and zigzag sticks representing lightning snakes on the upper edge. The figure wears a white blanket reversed. The picture shows the stitches of the embroidery on the lower margin.

A second figure of the Snow katcina, on which the predominant color is green instead of white, is readily distinguished from the former by figures of snakes' heads painted on each cheek. It has the same four lightning symbols on the head and two eagle tail feathers. This figure wears an ordinary dance kilt. embroidered with rain-cloud and falling-rain designs, and held in place by a girdle. It carries a flute in one hand.

# YOHOZRO WでQTI ${ }^{b}$ <br> (Plate SXII) 

The Cold-bringing troman, who is connected with the Nürak or Snow katcina, is claimed by the people of Hano as one of their supermaturals. She is depicted as wearing a white mask with a red spot on each cheek, a small beard, and a red tongue hanging from a mouth which has promineat teeth.

She has ear pendants, and a red feather is attached to the crown of her head. There is a fox skin about her neck, and she is clothed in a white blanket, tied with a knotted girdle.

POWAME
(Plates NIV and XXII)
On the morning of the last day of the Powamit festival there are dances in the kiras in which participate umasked men called Powamû katcinas, a figure of one of whom is given in the accompanying plate.

[^45]

NÜVAK




These men wear in their hair a number of artificial flowers. made of painted corn shucks. The bodies of these men are painted, but otherwise they wear no distinctive dress or paraphernalial.

## WUKOKOTI

(Plate XXIII)
This figure of Wukokoti (Big Head) has a black face with protruding snout, two lateral horns, and prominent globular eyes. The artist represents one of two beings who roan through the pueblos in the March festival, hooting wherever they go. It is one of many beings of the same name who appear in the Febrnary and March festivals. The personators carry bundles of sheep scapule, which in late years have been substituted for those of deer.

## KOHONINO

## (Plate NXIII)

This figure ${ }^{a}$ represents a katcina derived trom the Havasupai (or Kohonino) Indians engaged in animated conversation with a man of the same tribe.

The mask has a headband, on each side of which is a horn wrapped with red and black calico. The marks crossing the headband also represent variegated cloth.
Two eagle feathers arise from the head, and to the top of the feathers are attached red balls representing fruit of the prickly pear.
The chin is crossed by oblique bands, colored red and blue, and the mouth is triangular in shape. Two red spots, one on each cheek, complete the symbolism of the picture.
The accompanying figure representing a Harasupai Indian is ummasked, and shows several characteristic marks. He has a headband, from which rises a hoop, to which are attached two eagle feathers, with a fragment of red eloth in the rear. The coat and leggings, like Kohonino garments, are buckskin, and there is iringe on the latter.

## TCOSBUCI AND SOYAN EP

## (Plate NXTY)

The main figure is said to have been derived from a Yuman tribe, as the Walapai, who formerly wore turquoise (tcosbuci) nose ormaments. The artist has represented 'Tcosbuci and Soyan ep fencing with arrows.

The symbolic mark of the former is an hourglass design. The face is painted green, the eyes are of brown color with green border. The hair is tied Yuma fashion behind the head. The red ring in the middle of the face represents a turquoise.

Tcosbuci has black bands painted on the left arm and right leg． He wears a black kilt under a buckskin shirt，and has a quiver with arrows．The bow is carried in one hand．

Soy：un ep has a black mask with feathers on his head．lozenge－shaped eyes，and small goatee．Both legs and arms are striped with black band．His shirt is made of buckskin．

## NAKIATCOP

（Plate XXIV）
The figure of Nakiateop has a crest of eagle feathers on the head， and in most respeets resembles the Dawn katcina．The mask used in personating this being is said to belong to the Badger clat．

## KOKOPELLI

（Plate NXV）
The Hopi call a certain dipterous insect kokopelli and apply the same name to a personation said to have been introduced by the Asa clan．
The head is painted black and has a white median facial line．The suout is long，pointed and striped in spiral black and white．On each side of the head is a thite circle with diametrical lines drawn in black，and there is a warrior feather on top．
The body is black，and girt by an embroidered sash．There are buck－ skin leggings，stained yellow and green．A hump is always found on the back in pictures or dolls of Kokopelli．
The author has been informed that in old times many of these beings appeared at the same time，but he has never seen the personation．

## KOKOPELLI MANA

（Plate NXV ）
The Kokopelli girl has a slender，protuberant snout painted with spiral lines．She carries in her hand two packets＂of food made of mush wrapped in corn husks．

## LAPÜKTI ${ }^{\text {b }}$

（Plate $\mathrm{N゙N゙「}^{\top}$ ）
The symbolic marks of Lapükti are three parallel marks on each check，hair of cedar bark，long telescopic eyes，and a protuberant snont．He carries a rattle in his right hand，a crook in the left，and wears sirt and pantaloons．The picture brings out all these charac－ teristice．

## ＂somipiki

b For picture of doli，see Internationales Archiv fiur Ethnogiaphie，Band vir，pl．xi，fig． 40.


TCOSBUCI AND SOYAN -?




MACIBOL

## (Plate NJTI)

These two figures represent masked men who sometimes appear in the March festival (Añkwanti) carrying effigies of the Creat Anrpent. with which they appear to struggle, twisting them about their bodies and causing them to make varions gyrations in a startling manner.

One of the arms represented in the picture is: a false one. Which is hung on the shoulder of the performer. the real arm being hidden in the body of the serpent effigy. The man holds the stick which is the backbone of the serpent with the hidden hand and with it imparts the wonderfully realistic morements to the serpent.

Each figure wears a buckskin banket and a mask painted green, across which is a black zigzag band rimmed with white. which in form resembles the snake symbol on the kilt of the Suake priests. The helmet has two horns and a bunch of feathers on the top.

The backs of the two serpent effigies differ in color, one being black and the other brown. but the bellies of both are white. The triangular symbols on them represent bird tracks; the double parallel marks represent feathers.

Their heads have a fan-shaped crest of feathers, a median horn curring forward, and a necklace of feathered strings. The eyes are prominent, and the teeth and tongue are colored red.

Macibol is another name for Calako, the sun god, and the episode here figured represents the sky god wielding the lightning.

1'ALÜLÜKON ANI) TATCC゙KTI
(Plate XVVI)
There are many rites in the Ankwanti in which the effigies of Paliilükoñ, the Great Snake.play an instructive rôle. This picture represents the struggle of a clown with one of these eftigies, as permonated in the March mystery drama.

The efligy is made to rise from a jar on the floor to the ceiling. and when it is thus extended a clown steps up to it and appears to struggle with it; he is finally orercome. There are modifications of this drama which call for special description. "but none of these are represented in the collection of pictures.

FIGURINES OF CORN MAlDENS

## (Plate XIVII)

On certain years there is introduced in the Hopi mystery drama, Añkwañti, an interesting marionette performance which is illustrated by this picture. The Honani or Badger clan of Sichumori hare two

[^46]figurines representing the Coru maidens, which were made by a man named Totci, who now lives at Zuñi. These figurines and a framework or upright with which they are used are shown in this picture, which represents the figures kneeling before a miniature grinding stone placed on the floor.

As the symbolism has been explained in a description of Calako mana, it need not be redescribed, but it may be well to note that the dotted hodies appearing on these figurines below the kilt represent the feathered garment which this maid and some other mythical personages are said to wear."
The designs on the framework symbolize rain clonds and falling rain. During the mystery play the two bird effigies are made to move back and forth on the framework by a man concealed behind the screen, who also imitates bird cries.

The two figurines are manipulated by means of strings and other mechanical appliances. Their arms are jointed, and as a song is sung the marionettes are made to imitate meal grinding, raising their hands at intervals from the meal stones to their faces.

## TACAls AÑYA AND maNA <br> (Plate NXITII)

This picture represents a being called Navaho Anya katcina, and his sister. who grinds corn ceremonially in the kivas on the final night of the Añkwañti. The attitude of the girl is that assumed by her after the corn has heen ground, when she and her sister dance and posture their bodies before a line of Anya katcina personators serving as a chorus.

The masks of the Navaho Anyas are similar to those of the Mopi, except that the former have terraced figures or rain-cloud symbols in each lower corner, and a red instead of a black beard. The male wears a red kilt, tied by a belt of silver diskw, which are conmon Navaho ornaments.

The dress of the girl consists of a black velyet shirt and a red calico skirt, with a piece of calico over her shoulders. She wears a Navaho necklace.

Her coiffure is a whe tied behind the head, like that of the Navahos. The projecting lip, illustrating a hahit of gesticulating with the lower jaw so common anong Navahos, is common in Hopi pictures of these Indians.

OVFANOZROZRO

## (Plate NXVIII)

This heing appears in the Añkwanti, going from kiva to kiva beating on the hatcloways and calling down to the inmates. The

[^47]

FIGURINES OF CORN MAIDENS


TACAB AÑA AND MANA


picture represents him beating a stone with a yucea whip. The mask is colored white, and has a projecting mouth, goggle eves, two horns, and a mass of hair. The part of stone heater is now taken by boys, and the two personators seen in 1900 stood at the kiva entrances striking the ladder and raised hatchway, calling down the kiva entrance as if angry. They wore loose blankets and no ceremonial kilts.

сото
(Plate NXVIII)
There are two pictures of Coto, the Star kateina, one representing the Walpi, the other the Oraibi variant; the masks of both are readily distinguished from all others by the arrangement of the star symbols.

The East mesa or Walpi Star katcina has three vertical stars attached to the top of the masks. a star painted on the right cheek, and $a$ half-moon on the left. There are also star figures on the forearms and legs. Four feathers are represented on top of the mask and others hang from the elbows. There are yuccal whips in the hauds. The kilt has a radiating turkey tail feather covering., which has a unique form.
The whole face of the Oraibi Star katcina is covered by a single star. It has a string of feathers extending down the back and a collar of spruce twigs. The body is painted yellow and black and the arms and legs have longitudinal bands.
The garments are painted red, and in the left hand is carried is yucca whip, in the right a bell. Red color appears to characterize all the paraphernalia.

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HOPAK AND MANA
    (Plate NXIX゙)
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One of the katcinas which appeared in the Añkwañti was called Hopak (hopoko, eastern), and evidently derives its name from the fact that it came from castern pueblos. Hopak was accompanied by a girl being, evidently his sister (civadta).

The distmguishing symbolism is the triangular mouth and the zigzag markings around the face, which is painted green. The hair of the girl is dressed in the same way as that of the Zuñis and the Pueblo women of the Rio Grande. Small rectangles in two colors are painted on each cheek. The girl was called sister of the Püükoï katcina when he appeared in the Añkwañti.

## KOKVAN WでソTI ${ }^{a}$

## （Plate NXIN）

When the Pü̈̈koñ katcinas danced in the Añkwañti there accom－ panied the dancer：a personation called So wïqti，Grandmother woman． and at the gramdmother of Piuïkon is Kokyan wüqti（Spider woman）． So wüqti is supposed to be another name for this being．

The mask is perfectly black，with yellow crescentic eyes and white hair．She wears a dark－blue blanket，orer which is a white cere－ monial blanket with rain－cloud and butterfly symbols．She carries a sprig of pine in each hand．

## リビぜKOÑ KATCINA <br> （Plate NXIX）

The picture of Püukoñ katcina ${ }^{b}$ has a black mask surmounted by a netted war bonnet，with two eagle tail feathers attached to the apex． There is a small conical extension on top of this bomet，the usual distinguishing feature of the lesser war god．

The figure has a white blanket about the body which is painted black．and wears a white kilt with rain clonds embroidered on the margin：．The hose are made of an open－worked netted cotton fabric． In the left hand there is a bow and arrow，and in the right is the ancient war implement，a stone tied by a buckskin to the extremity of a stick．

## 1 $̆$ し̈ビKON゙ HOYA

（Plate MXX）
The face of Püinkon hoya hears the customary parallel rertical marks， and on the head is a war homet with apical extension and wartior feathers．He wears on his back a quiver of mountain－lion skin，and carries a bow and arrow in his left hand．the symbolic lightning frame－ work，with feathers attached at the angles，in the right．The white markw on body，legs，and arms shown in the picture are characteristic． The reader＇s attention is called to the similarity of the symbols of this picture to those of Puinkoñ katcina．

## 1＇ALUÑA HOYA

（Plate NさN）
Pahuña hoya，the twin brother of Pünkoñ hoya，has a mask with a protuberant snout，but does not wear a war homet．He has，like

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his hrother, two vertical marks on each cheek, which, bowever, are black instead of white, and the warrior feather on his head. He carries a whizzer in the right hand and a how and arrow: in his, left, and wears a bandoleer across his left shoulder. His body and extremities are painted brown and black.

## TCUKLBOT

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(Plate IXX)
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This is one of the numerous borned katcinas, distinguished by a black helmet. white goggle eyes, and two bands across the face. They roan about through the pueblos in certain great festivals.

TCANA
(Plate XXX)
Tcanâ̂ is an instructive personage. The pieture represents him as he appears in the Añkwañti.

The mask is flat and has eagle feathers and two sticks similar to those of the Wrupaman mask radiating from the margin. The brown bodies hetween these radiating eagle feathers are also feathers, a bunch of which covers the back of the helmet."

The face is destitute of symbolic markings, but a stuffed inuage of a smake hangs from the mouth.

Tcanaû earries a slat of wood and a meal hag resembling that of the Snake priests in his left hand, and in his right a crooked stick. Four of these beings appeared in the Ankwañti, and the personation is said to have been originally introduced into Tusayan by the Pakab clan.

## WUPAMAT

## (Plate NXNI)

This pieture ${ }^{b}$ represents a being the mask of which has a symbolism recalling that of the sun. The face is flat. and is divided into three regions by a horizontal and a rertical line. One of the lateral regions is yellow, the other is green. The chin is black and there is a long snout slightly curved downward, with an appended piece of leather, colored red, representing the tongue.

Around the rim of this face, more especially the upper part, is a plaited corn-husk border, in which are inserted at intervals three prominent eagle feathers and numerons smaller feathers. The latter are but portions of a mass which eover the whole back of the heluct.

When Wupamau appears in Powamû or Añkwañti, he is aceom-

[^49]panied by a clown carrying a lasso, which in the picture is fastened around the body of the katcina.

There are masks of Wupamau in all three villages of the East mesa, and these are all worn in the Añkañti ceremony.

## MUCAIAS TAKA

(Plate NXXI)
The Buffalo youth, as represented in the picture, has a face painted black, with white crescents indicating eyes and month. Over his head is a blackened wig made of a sheepskin, which also hangs down his back, replacing the buffalo skin, which was always used when this amimal was abundant. To each side of the head covering is attached a horm with appended eagle feathers. Across the forehead is an embroidered fabric like those used for kateina heel bands."

The kilt of the Buffalo youth is white, with red and black stripes along the edges; it is tied by a string to which shells are attached. A large cotton belt is now generally used for a girdle.

In his left hand the Buffalo youth carries a zigzag stick. representing lightning, to each end of which feathers are attached. In his right hand he has a rattle decorated with stars. ${ }^{b}$

MUCALAS MANA
(Plate XXXI)
This picture represents the Buffalo maid, who appears in the Mucaiasti, or Buffialo dance, with the routh mentioned abore. She is mmasked. but wears hanging down over her forehead before the eyes a fringe of black hair tiel to a string about her forehead. On the erown of her head there is a bunch of parrot and eagle breast feathers. A wooden stick, to one end of which is attached a symbolic squash blossom and to the other two eagle tail feathers, is placed horizontally orer the crown of the head. This squash hossom is made of yarn stretched orer radiating spines. Two black parallel lines are painted on each cheek, and she wears a profusion of necklaces and three white cotton hlankets. About her hody, tied under her left arm, is a ceremonial dance kilt, the embroidered decorations representing rain clouds and falling rain.

The two other blankets, one of which is tied orer her right shoulder, the other about her loins, bear on the embroidered rim rain-cloud and butterfly decorations. She has white leggings, embroidered anklets, and white moccasins. The blanket is bound to

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her loins by a great cotton belt，the ende of which are shown on the left side．

In each hand she carries a notched prayer－stick，called a sun ladder． which is painted yellow on one side of the median line．green on the other．＂

On her back the Buffalo maid wears a sun symbol，which，divested of the peripheral eagle feathers，the artist has shown to the right of the picture．The tips of these feathers are shown on each side of the arms；the accompanying lines represent stained horsehair．
añya katcina manas grinding corn
（Plate N゙ズべII）
In sereral ceremonies，especially those in the kivas which drama－ tize the growth of corn，there is a ceremonial corn grinding，which also sometimes occurs in the public plazas as is illustrated by this picture．The figures of the group are as follows：

1．Two Añya katcina manas
2．Two Hehea katcinas
3．Four Añya katcinas
4．One Paiakyamû
All these figures have smbolic mask－which have elsewhere been described as characteristic．

It will be noticed that the two whorls of the girls hair are different from those generally worn by Hopi maids．This particular form is said to represent a very ancient coiffure，which is made by winding the hair over an hourglas－shaped piece of wood．but this object is not removed，as are the curved sticks commonly used in making the whorls．

The sequence of erents in this ceremonial corn grinding is as follows：The two Heheas first enter the kiva or plaza，bearing on their hacks two metates or grinding stones done up in sheepskins． whicl ther place side by side．Narrow boards，decorated with rain clouds and hird figures，are set up about them，and a plaque of meal． with a brush，is placed by their side．The Heheas，having arranged these objects，seat themselves on each side of the grinding stones in the attitude shown in the picture．The masked girls then enter and take their positions by the metates．

A line of thirty or more Anya katcinas．of which only four are shown in the picture，then file in and take their positions back of the maids：with them enters the Paiakyamut，or glutton．who seats himself facing the girls．

After an interlocution between the Heheas and the kiva chief， who sits by the fireplace facing them，the trend of their conversation being that the girls are clever meal grinders，the chorus begins a
song. accompanied by a dance. while the girls grind the meal and the Heheas clap their hands. Lfter a short time the Heheas take some of the meal from the grinding stones and carry it to the kiva chief or to the elown. and put it in his mouth to show its excellence. They respond that it is good, and the Heheas resume their seats, shouting and clapping their hands as hefore.

After a little while the Heheas take more of the meal and thrmst it into the mouths of the other spectators for them to taste, all the time carrying on a bantering conversation with the chief. After this proceeds for some time the girls rise, the metates are hrushed, done up in the sheepskins, and laid at one side. The girls then stand in front of the line of Anya kateinas and posture their bodies, holding ears of corn in the hands, which they extend one after another in the attitudes shown in the picture of Alo mana.
'The being called Anya katcina, while apparently very old among the Hopis, resembles the Zunii Kokokei in both symbolism and general chatacter, which suggests that both may have been derived from a common source. It is not improbable that this source in both instances was the pueblos of the Patki clans, the ruins of which are situated on the Little Colorado river.

It is interesting in this connection to note that the whorls of hair of the Anya manas more nearly resemble thone of the Zuñi personations of girls than those of the Hopi, which, so firr as it goes, tells in favor of a common derivation.

## HOKYANA

(Plate XN゙N1II)
The figure of Hokyana katcina is accompanied by that of a drummer. He wears a bearded maskette colored green and has hair cot in terraces arrow the forehead and below the ears, hat hanging down the back. This way of cutting the hair in terraces is symbolic of rain clonds.

There is a bunch of feathers' on top of the head, and a string with attached feathers hangs down the lack. The lower rim of the maskette haw alternate hocks of red, green. white, and black colors, as in Anya katcina masks. One side of the body is painted red, the other bue.

The drummer is dressed like a Navaho. with calico or silk headband, velvet tronsers, huck-kin leggings with silver buttons, and belt of silver disks.

Hokyana in said to be distinguished from Anyaby his peculian step in dancing.



## HOKYAÑ MANA

(Plate NXXIII)
The maid or sister of the preceding. as figured hy the Hopi artist. has her hair dressed in Zuñi fashion and carries an car of corn in each hand.

CAKWAIIONAO
(Plate LJIII)
The collection of katcina pictures would have been increased several fold were we to indude in it many which are duplinates in all respects save color. It may be borne in mind that while almost all these beings hare yellow, green, red, and white rariants, as a rule only one color is dramn. This is true of the present picture representing the Green Bear; hut we have also the yellow, red, and black bear with the same general symbolism.

The distinguishing symbolism of the Bear katcina are hear paws, one on each cheek, which are at times difficult to distinguish from those of the Badger. It has a prominent snout, and a visor on the helmet, tc which lightning symbols and feathers are attached.

## KOKLE

## (Plate NXXIV)

The artist represents in this picture the symbolism of Kokle, and depicts an cpisode when this person bears a deer on his back.

The facial markings of the mask of Kokle represent a cornstalk medially placed, extending over the eyes.

Kokle is a rery common design on the interior of modern bowls, where the head only is generally represented.

## CITOTO

## (Plate XXXIV)

The mask of Citoto is conical or half oroid, with semicircular alternating parallel bands of red. yellow, green, and hack on each side. The mouth has the form of a curved beak. at the base of which is attached a fringe of red horsehair. A chuster of variegated parrot feathers is attached to the back and aper of the mask. Citoto carmies a rattle in his right, a pine tree in his left hand.
There are two Citoto helmets on the East mesa. One of these hangs in a back room of Anote's house (Sa clan. Hano), the other is in the special kecping of the Walpi Pakab clan, which also claims, in addition to Citoto. manks of Sabi (Tcanaû), Tanik, and Türkwinû, male and female. The Tanik helmet closely resembles Wupamau, and Türkwinut (Mountaineer) is so called from the San Francisco Mountain people. which would indicate that it was derired from some of the people who once lived along the Little Colorado.

## Sumaholi Ceremony

SUMAIKOLI ANVD YAYA
(Plate NXXIN)
This picture represents a Sumaikoli led by a Yaya priest. as they appear in two festivals each year. one in the spring, the other in summer. New fire is kindled by frictional methods in the former and is carried by means of a cedar-bark torch to shrines of the fire gol at the four cardinal points. In abbreviated presentations the masks are left in the kiva, where they are arranged in a row with that of Karrikoli, and the men who carry the fire are ummasked and not accompanied by a Yaya priest. The Sumaikoli are supposed to be blind, and eyes in the masks are mere pin holes, so that when they are worn a guide is necessary.

There are six manks of Sumaikoli and one of Kawikoli in Walpi and Hano which differ slightly in colors and symbolism, but the accompanying figure gives a fair idea of one of the Sumaikolis.

It will he noted that the figure wears the same cubroidered sash on the head that is seen in the picture of Masanu, and that the appendages to the leggings are the same shell tinklers which are preseribed for sun gods.

## KAWIKOLI

## (Plate NXNY)

The picture of Kawikoli represents a being with a globular mask painted black, having two white marks on each check. A bundle of feathered strings is tied to each side, and the skin of a monntain lion surrounds the neek. The chin has red and green curred bands inclosing a white area. The figure is represented as carrying fire in a cedar-hark torch from one shrine to another, accompanied by a Yiara priest. Who has a rattle in his right hand and an unknown object in the left. The kilt is tied behind and has draperies of colored yarn.

The mask of Karrikoli is displayed with those of Sumaikoli in the festivals of these personages. Kawikoli is also personated at Zuñi, from which pueblo the name was probably derived.

CIWIKOLI
(Plate NXXV)
The picture of Ciwikoli represents a being with mask painted brownish red, having two parallel white lines on each cheek. There are tadpole figures on the sides of the mask and a fan-shaped feather appendage to the top of the head.


KAWIKOLI


CIWIKOLI


TACAB (NAACTADJI)

Ciwikoli wears a kilt made of red-stained horsehair, and a bandoleer. He carries a whizzer or bull roarer in his right hand. A fox skin is tied about his neck.

Ciwikoli is a Zuñi personation. Words like Sumaikoli, Kawikoli, Ciwikoli, having the termination -koli, are foreign to the Hopi language, although common in eastern pueblo tongues.

Nayaho Katcinas

TACAB (NAACTADJI)

## (Plate XXXY)

This Naraho god is incorporated in the East mesa ritual, and is known by the following characteristic symbolism:

The mask has a projecting visor, to the rim of which is attached a row of eagle feathers inserted vertically in a wad of straw, the edge of which shows above the visor. A conical structure made of sticks colored red, tipped with yarn; red horsehair, and eagle feathers arises from the top of the head.

One side of the face is colored green, the other red, the two sides being separated by a white median band, across which are parallel black lines. The eyes are represented by horizontal hands painted black. The pointed marks above and below the eve slits, with which they are parallel, represent gourd sprouts. A symbolicesquash blossom is appended to each side of the lelmet. This olject is made of wood or a section of a gourd, and is crossed on the concave face by diametrical lines, at the point of intersection of which there is an eagle feather. The right side of the body and corresponding arm are colored yellow, the left red. A network of red lines cover's the body, as is indicated in the picture.
The bandoleer and necklace are pine boughs, which are also carried in the hands. Two eagle feathers are tied to each armlet. The belt is composed of silver disks, and the kilt is colored red and white; the latter has green diagonals, and tassels on the lower corners. Sleigh bells are attached to a garter of yarn tied below the knee.

TACAB (TENEBIDTI)
(Plate XXXVI)
The artist has figured in this plate one of the most common Naraho katcinas personated by the Hopis. The eyes are black, horizontal bands, curved at the outer ends; the snout is long. On that side of the head which is turned to the observer there is a symbol of a halfformed squash surrounded by red horsehair, and to the opposite side of the head are attached two vertical eagle feathers. On the crown

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of the head are variegated parrot feathers．The red fringe on the forehead represents the hair．

## TACAB（YEBITCAI）

（Plate XXXVI）
The name of this Navaho supernatural is translated Grandfather kateina，and the Hopis say that the Navaho name has a like meaning． The artist has depicted on the mask a stalk of corn on a white face． The eyes and mouth are surrounded by two half rectangles．A conventional ear of corn is painted on the left eheek．There is like－ wise a erest of eagle feathers on the head．Yebitcai wears a blue calieo shirt，black velvet pantaloons，and Navaho leggings．Both the pantaloons and the leggings have a row of white disks along the out－ side which represent the well－known silver buttons，and he wears a belt of silver disks strung on a leather strap．A buckskin is repre－ sented over his right shonlder，and in his left hand he carries a bow and two arrows，and a skin pouch for sacred meal．

## TACAB

（Plate XX゙ざVI）
The artist has also represented another Navaho kateina with points of symbolism similar to that of Yebiteai．The face is painted white， with erescents under the eyes and mouth．There is a representation of a stalk of growing corn on the median line of the mask，and an ear of maize on each side．
The fignre wears a red kilt and a black bandoleer，and carries yucca whips in his hands．

## Soyohm Katcinas

Under this name the Hopis include many masked personages which appear in dances called by the same name（called here also Abbreviated Katcina dances）．

## KAE

（Plate NXXVI）
Very few of the Hopis identified the picture of this kateina as Kae or Corn kateina，the name given to it by the artist．The validity of this identification is supported by the predominance of the maize symbol，whieh covers the whole back of the mask．

To the rear lower part of the head are attaehed feathers，two of which are vertically placed．The right side of the face is painted green，and on it are markings representing sprouting corn seeds． The visor has wooden slats，symbolie of lightning，tied to its rim．

On one side of the pieture the artist has represented the ordinary triple rain－eloud symbol above a corn plant，and some of the Hopis said that the rain－elond design should have been painted on all the pictures in the collection．



A'HOTE


AHO'TE


PATCOSK

hotote

## $\mathrm{AHO}^{\prime} \mathrm{TE}$

(Plate NXXVII)
Two pictures, both called Ahote, from the cry uttered by the personator, differ widely from each other in symbolism. The name of one has the accent on the penult, that of the other on the antepenult.

Aho'te has a helmet painted yellow, with goggle eyes, a prominent snout, and face covered with red and black four-pointed stars. The figure has two bandoleers, a white kilt with pendent fox skin, and an embroidered sash. A large string of eagle feathers hangs down the back.

$$
\text { A' }^{\prime} \text { ноте }
$$

(Plate XXXVII)
A'hote has a black helmet with great goggle eyes and a single fourpointed star on the right cheek, a new moon on the left. Unlike Aho'te, he has two horns, one on each side of the head, and a triangle on the forehead painted yellow, in which are black and red rings. On the head there is a small fanlike feather appendage.

## TÜRTUMSI

(Plate LNII)
The picture of Türtumsi represents a goggle-eyed katcina with yellow mask, on which are parallel rows of black lines extending longitudinally. The figure has a black beard, to which are fastened two cotton strings. A row of eagle feathers is attached to the head and hangs down the back, as shown in the picture, and there is a rattle in the right hand, a bow and arrows in the left.

Several Hopis gave the name Komantci (Comanche) to this katcina. Possibly it was derived from this tribe, with which the ancient Hopis were familiar.

## PATCOSK

## (Plate NXXVI)

This characteristic being is readily distinguished by the cactus on the head and in the hand. He also carries a bow and arrows.

нотото
(Plate NXXVII)
Hototo katcina has crescentic marks painted green and red on the face, goggle-eyes, and a short snout. In his right hand he carries an object on which appears the zigzag lightning symbol.
The Hopis say that Hototo is so named from the cry" "Hototo, hototo!" which the personator utters.

## KEME

(Plate XXXVIII)
The drawing of Keme katcina has slanting bands of yellow, green, and red across the middle of the face, which is painted green, with terraced figures in red and yellow in two diagonal corners. The top of the head, as represented, is flat, and to it are appended bunches of parrot and turkey feather's, two of which project on each side.

The dress and other paraphernalia of Keme katcina are in no respect distinctive.

SIWAP

## (Plate NXXVIII)

Siwap katcina has a black helmet with a prominent globular snout, green eyes, and a triangular, green-rolored figure on the forehead. The necklace is made of corm husks, a few of which are also tucked into the belt. The kilt is black, and there is an antelope horn in each hand.
hOTCANI
(Plate NXXVIII)
The symbolic markings of this being are clearly brought out by the Hopi artist in his picture.

The face is painted green, crossed by a black band with red border. On the top of the head are radiating feathers and parrot plumes. Pine boughs are inserted in the armlets and belt, and there are branches of the same tree about the neck. The kilt is white, without decoration, and the sashes are embroidered.

From the linguistic similarity of the name Hotcani to Hoteäuni of the Sia, mentioned by Mrs Stevenson, they are regarded as identical. The Hopi variant is probably derived from the Keresan.

## TAWA <br> (Plate NXXYIII)

The Sun katcina has a disk-shaped mask, which is divided by a horizontal black band into two regions, the upper being subdivided into two smaller portions by a median vertical line. The left lateral upper division is red, the right yellow, the former being surrounded by a yellow and black border, the latter by a red and black. In the lower half of the face, which is green, appear lines representing eyes, and a double triangle of hourglass shape representing the mouth.

Around the border of the mask is represented a plaited corn husk, in which radiating eagle feathers are inserted. A string with attached red horsehair is tied around the rim or margin of the disk.



In his left hand Tawa carries the flute which is associated with him in certain Hopi solar myths. ${ }^{a}$

It will be found that this type of sun symbolism is to be easily detected in rarious katcinas of different names which hare been mentioned, and it is more than probable that many of these, possessing the same, or nearly the same, symbolic markings, are sun gods under different names. This multitude of sun gods is readily explained by the composite nature of the present Hopi people, for each clan formerly had its own sun god, which, when the clan joined Walpi, was added to the existing mythological system. The type of symbolism has persisted, thus revealing their identity.

## KAU

## (Plate XXXIX)

This katcina is readily rccognized by the two horns and dependent crest of feathers on the head, the characteristic mouth, and short beard. The two figures here given differ from each other in their colors-one being grcen, the other yellow. Both have characteristic triangular symbols on the forehead.

## MUZRIBI

(Plate NXXIX)
The picture of Muzribi, the Bean katcina, has on each side of the mouth, or snout, the sprouting seed of a bean. The face is bordered by yellow and red marginal lines which are continued into the curved markings, representing bcan sprouts, on the cheeks.

There are four horizontally-placed fathers on the top of the head, and a bunch of smaller feathers at their attachment.

## LENYA <br> (Plate NXXIX)

Leñya, the Flute katcina, as shown in the picture, has a green face with rectangular eyes, the left colored yellow bordered with black, the right blue with the same colored border. There are chevrons of black lines on the checks; the mouth is triangular in form.

Attached to the crown of the head there is an annulct made of corn husk painted green, in which are inserted artificial flowers and feathers.

Leñya wears on the back a tablet made of skin stretched over a rectangular frame, the edge of which is shown on each side of the

[^51]neek and body. The dentate markings on the visible cdge represent a plaited eorn husk border, and the appended red marks represent horsehair. The two objects extended horizontally on the upper eorners are cagle feathers arising from a cluster of feathers at their attachment.

Leñya carries a flute in his left. a rattle in his right hand.

$$
\text { PAÑW } \hat{U}^{a}
$$

## (Plate XL)

Pañwî, the Mountain Shecp katcina, is represented by tro figures, one of whieh wears a kilt tied with great cotton girdle, shirt, and leggings, while the other is naked. The heads of these two figures are practically identical, both haring two imitations of sheep horns, along which are drawn zigzag lines in green eolor, representing lightning. The mask has a protuberant visor, from whieh hang turkey tail feathers. The snout is prominent, and there are artificial squash blossoms on the sides of the head. The naked figure has the baek and sides of the body and outside of the limbs painted blue or green, with the abdominal region white. Attention is called to the peculiar unknown bodies inserted into armlets and garters.

The other pieture of this kateina has the same srmbols on the mask, but the figure wears a buckskin shirt and fringed leggings. A white kilt with red and black borders is tied about the loins by a great eotton girdle, and a semicircular framework with attached feathers is carried on the back.

## TIWENU

(Plate NL)
The picture representing Tiwenu has a tablet on the head, the upper rim of which has a terrace form representing rain clouds. On the sides of the faee are picturcs of symbolie corn ears of different eolors, that on the left representing white eorn, that on the right, green corn. The semicircle painted on the tablet represents a rainbow above a white field in whieh is a four-pointed star.

The eye slits are painted black, with a white margin. The lower part of the face is black, the ehin white. There is a projecting snout, with teeth and red lips. The figure carries a pine branch in each hand.

## KOROCT ${ }^{\dagger}$

## (Plate LXI)

This is a Keresan katcina, as its name ${ }^{b}$ signifies. The picture represents a plain mask with a white or black arrowhead figure for

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mouth and two horizontal black marks with upturned ends for eyes. The face is green, with red, yellow, and black border; the ears have pendants of eorn husks. The blanket is white, with embroidered border.
Each figure carries in one hand a skin poueh with sacred meal, and in the other a rattle or a number of deer seapula.

KWEW $\hat{U}^{a}$
(Plate XL)
The pietuee representing the Wolf katcina has a well-drawn wolf's head with projecting mouth, and a wolf's paw, painted blaek, on each cheek. To the tips of the ears are appended feathers, stained red, and there are eagle feathers on the side of the head.

The kilt is made of horsehair, stained red, hanging from a belt which supports the breechelout. The legs and forearms are spotted. Kwewû is generally personated with the Antelope and Deer katcinas running back and forth along the line of dancers, assuming the posture represented in the drawing.

$$
\text { TCÜB }{ }^{b}
$$

(Plate XLI)
The picture of Teüb, the Antelope katcina, represents a being with two antelope horns on top of the head, an hourglass design in black on the face, black spots on eaeh eheek, and a buneh of feathers, from whieh arise two eagle tail feathers, on the baek of the head. The mask has a long protuberant snout and an artificial squash blossom on each side.
The bodily decoration and dress are in no respeet eharaeteristic. In the hand there is a staff, to the top of whieh feathers are attaehed. The symbolism of Tcüb kateina is very elose to that of Sowiñwû.

## sowiñwû

(Plate XLI)
In the three pictures of Sowiñwû the artist has represented two Deer katcinas aseribed to the old pueblo Awatobi, and with them a deer hunter of that pueblo, the tradition of whom is still told at Walpi.
The Deer katcinas hare green helmets with projeeting visors, from whieh hang rows of turkey feathers. Deer horns are attached to the top of the head and two eagle tail feathers project from the back. There is an hourglass design in black on the middle of the face and a blaek dot on each eheek. A circle with radial lines, denoting the six cardinal points, is painted on each side of the mask.

[^53]The hunter has the cherron symbolie of the eagle orer the nose and wears a kilt of red horsehair. He wears a bandoleer and a netted shirt. In his right land he carries a rattle, in his left a bow and arrows.

The author has obtained the following legend regarding the deer hunter: An Awatobi maid gave birth to a child, which she hid in a eleft in the mesa side. Isauû (Coyote) found this babe and carried it in her mouth to Tcübio wüqti, the Antelope woman, who lived in Awatobi. Teübio wüqti had milk and brought up the ehild, who became a celebrated hunter of antelopes.

The Sowiñwû kateina has not been personated of late years by the Walpi men, but there is good authority for the statement that it has been represented within a few years by the Mishongnovi people. At the period of the destruction of Awatobi many of the elans went to the Middle mesa and one or two of the Awatobi cults are still more vigorous there than elsewhere.

## CTPOMFLLI

(Plate XLI)
The figure represents an aneient kateina peeuliar to the pueblo Hano, but now rarely personated.

TUMAE
(Plate XLII)
The picture of this kateina has a face divided into a yellow and green section by a rertical black line. The lower part of the face is separated from both by a horizontal black line, and is colored red. In the middle of this red zone there is a rectangular chin painted white, the pigment which gives the name to the figure. Both Hopis and Tewas call this kateina Tumae (white earth), referring to the white pigment on the chin.

> MATIA
(Plate NLIII)
This figure has a human hand painted on the faee, on which aeeount it is called Matia, or Hand kateina. Another designation, Talakin, refers to the girl who follows, stirring the contents of a cooking pot which Matia earries on his back. He is said to appear in the foot races, but the author has never seen him personated at Walpi.

A being with the figure of a hand on the face occurs also in Zuñi dances.


## PIOKOT

(Plate NLIII)
The pietures of this latcina have a cirele of various colors on the forehead and red elub-shaped bodies on the eheeks. The figures wear embroidered sashes on their shoulders - an unusual position for these objects-and tight-fitting black kilts, tied above with green belts. Eridently the distinguishing symbols of Piokot are the diagonal club. shaped marks on the cheeks, for two other pictures of Piokot, by a different artist, have neith i the variegated circle on the forehead nor the embroidered scarf about the neck.

## TËRKWINÔ

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(Plate NLIII)
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This figure has an undecorated mask with a row of parallel marks, symbolie of falling rain, on the upper edge, where there are dikewise three semieircular figures representing rain clouds. A row of turkey feathers is drawn before the face. The hair and beard are represented by pine boughs. It carries a ceremonial water gourd in each hand and wears a simple white kilt with green border, decorated with redcolored rain-cloud symbols.
The name (türkwi) indieates that this katcina was derived from some mountain pueblo. The Tewas give the same name (Pompin) to it that they give to the San Francisco mountains. One of the best traditionists has said that this katcina was derived from people who once lived in the foothills of these mountains.

## TÜRKWINê MANA <br> (Plate NLIII)

The maid or sister of Türkwinû has a headdress in the form of a terraced tablet, upon which semicircular rain-cloud symbols are painted. She likewise has pine boughs representing hair.

Her face is divided by a median band, with parallel horizontal black lines, into two parts, the left side being painted brown and the right painted white. There are semicircular lines about the mouth. She wears a white blanket bound by a great cotton belt, has turkey feathers tied to the blanket, and carries a cake in her hand.

## TOHO

(Plate LXIII)
Toho, the Puma, wears a mask of green color, with a projecting snout armed with teeth. Eagle feathers are attached to a string hanging down the back, and there are parrot feathers in the hair.

The body has yellow parallel bars on breast, arms, and legs. The kilt is of horsehair stained red, and in each hand is a whip made of yucca wands.

## KUTCA <br> (Plate XLIV)

Kutca, White katcina, has a white mask with tro parallel vertical black marks on each check and a mouth of triangular shape.

There is a horn tipped with an eagle feather attached to the left side of his head; its proximal and distal extremities are connected by a string, to which is tied red horsehair. A sunflower symbol is depicted on his forehead, and there are eagle and parrot feathers on top of his head. He carries a bow in the left hand and a bundle of sheep scapula in the right, and wears over a spotted (calico) shirt a white cotton blanket decorated with butterfly and rain-cloud symbols. On his back is a mountain-lion's skin.

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KLTCA MANA
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(Plate KLIV)
The sister (mana) ${ }^{a}$ of the preceding has, like her brother, a white mask with two parallel black marks on each cheek. The hourglass bodies on cach side of the head represent whorls of hair, but are made of corm husks.

## $\ddot{\text { CRCICHMÔ}}$

## (Plate XLIV)

This figure has a green mask, with projecting snout, arising from a fringe of sheepskin stained red. The eyes are protuberant and colored yellow. There are colored feathers on the crown of the head and two eagle feathers at the back. The paw of an animal is depicted on each cheek. The figure is clothed in a rabbit-skin rug, girt with a belt, has naked feet, and wears a pair of red horsehair anklets. The wands in the hands are of cactus, and to their ends roasted ears of corn are tied.

## YEHOHO

(Plate XLIV)
The left chcek of Yehoho is colored yellow, the right red; they are separated by a black band. The eyes are curved at the corners, and on the head there are two horns. The necklace is made of pine boughs.

This katcina wears a rabbit-skin rug and an embroidered belt, and across the body there are two bandolcers formed of ears of roasted corn tied in strings. He holds an car of the same in each hand.

The garment worn by Yehoho is called tokotcpatcuba, and the corn on the bandoleers is called takpabu.



# Zuñi Katcinas 

SIO
(Plate XLV)
The Zuñi katcina ${ }^{a}$ has designs on the face which recall the solar symbols. The upper part is divided by a vertical line into two regions, one red and the other grecn (blue in the picture), the right-hand side bcing bordered by yellow and green, the left-hand side by red and spotted bands. The remaining or lower part of the face is colored green; the left eye is painted yellow. There is a long, slim, yellow, protuberant snout. A symbolic squash is appended to the right side of the hclmet, and two vertical cagle feathers are tied to the left side. There are likewise indications of a fan-like crest of eagle feathers on the top of the hclmet and a cluster of highly colored feathers at the point of attachment of the two rertical eagle feathers.

SIO MANA AND THREE KOYIMSI
(Plate $\mathrm{XL} \mathrm{N}^{+}$)
In this picture the Zuñi maid and three mudheads are represented as they appear in an East mesa ceremony.
The maid wear's a maskette like that of Añya mana, and holds aloft in one hand a badge of office, which among the Zuñis is beautifully formed of parrot feathers. In her other hand she carries a clay basket or sacred meal receptacle. Her headdress is Zuñi rather than Hорі.
The figures of the Koyimsi are characteristic, each wearing a helmet with cloth knobs full of seeds. Two of these beings, who wear small fawn skin bandolcers, hold aloft rattles, and one has a drum, which he is represented as beating with the characteristic Zuñi drumstick.

## CITULILE゙

(Plate XLVI)
The significance of the Zuñi name Cituliliu ${ }^{b}$ is shown at once by the rattlesnake on the forehead.
The two pictures of Citulilï differ only in the color of the mask and of the snake on it. One has a yellow, the other a black face; the snake on the former is green, that on the latter is brown.

The fan-shaped crest orer the helmet is made of turkey tail feathers and the red mass represents painted wool. The snout is long and protuberant, with a red tongue made of leather.

[^54]The costuming of Citulitu is similar to that of the Hopi Snake priests, although the body, save the forearms and legs, is not painted red, but black. He wears an armlet to whieh are fastened strips of buckskin, dyed red. The handoleer is also stained red. The kilt, like that of Snake priests, is painted red, and upon it is drawn a zigzag design representing the Great Plumed Snake, with alternating white bars and angular designs. The green bands above and below represent rainbows. The sash is of buekskin, stained red. The heel bands have the same color and are made of horsehair. Cituliliu earries a yucea whip in eaeh hand.
There is said to be also a red, white, and green Cituliliu katcina.
TEÜK
(Plate XLVI)
The picture of this kateina was identified by most of the Hopis as that of a Sio or Zuñi kateina. The symbolism of the mask is similar to that of Taeab katcina, with which it is sometimes eonfounded.

## 1•AKWABI

(Plate NLVI)
The picture of Pakwabi represents a warrior. He wears a war bonnet made of buckskin, with perforations and an apex tipped with a feather. Four archaie rain-cloud symbols are painted around the lower rim.

The faee is black, the eyes are white, the snout is long and projecting, the hair is done up in a queue down the back. The bhe covering of the body is of calieo, over which is throm a buckskin. A bandoleer is worn over the left shonlder and the kilt has Navaho silver disks.

The pantaloons and leggings are likewise Navaho, the former velvet, with rows of silver buttons. In his right hand lakwabi carries a whizzer, ornamented with a zigzag lightning symbol, and in his left are a bow and arrows.

The name is evidently from some place or pueblo from whieh the personage was derived. If so, the mame of that pueblo may hare been derived from pakwa (frog), obi (place).

KW゙ACLS ALEK TAKA ANDD ALO MANA

## (Plate NLVII)

The picture of Kwacus Alek taka has a green mask with red back and two eagle tail feathers resembling horns, one on each side.

Alo mana, the sister of Alek taka, has a white maskette with artificial wig and feathers dependent from the lower rim. She is represented in the eharacteristie attitude assmmed in her danee.


CITULILÜ


TEÜK


PAKWAB:


KWACUS ALEK TAKA


OLD MASK (KATCINA CLAN


ALO MANA


OLD MASK (TCÜA CLAN)

Both these beings are said to be of Zunii origin and the latter was formerly personated by a man from Hano. The eharacteristic attitude of Alo mana is also taken by the girls after the ceremonial corn grinding elsewhere deseribed.

## Anctent Clan Masks

In the back rooms and dark corners of most of the important clans of the pueblos of the East mesa masks will be found hanging to the roof beans, the use of whieh has almost wholly been abandoned. The distinctive names of these masks are difficult to obtain, and they are generally known by such designations as Wüwïkoti, ancient masks or heads. The chiefs of the clans ordinarily claim them as their particular properts, and other men of the pueblo who are familiar with their existence usually call them by the names of the chicfs.

Some of these old masks are brought forth from time to time, renovated, and put to use; others are never worn, but are carefully preserved with reverence befitting their antiquitr, for the majority are reputed to be rery ancient.

It is probable that some of these masks, dingy with age and rarely or never repainted, have come into the possession of the present owners at the death of the last members of kindred clans. Others hare been passed down directly from chief to chief, still remaining in keeping of the clan which brought them into the country, and may be regarded as among the more aneient of Hopi masks. Unfortunately the knowledge of their charaeteristic symbols has in some instances been lost.
There are also individual masks whieh have not the special sanetity that pertains to the abore. These were introduced from other pueblos by visitors or by those who had observed them elsewhere in their trading or other trips. These are not regularly used each year, but may be brought out on speeial oceasions for variety or other reasons. They are associated with the man who introduced them, and often bear his name.

There is a general similarity in these old elan helmets, both in form and in symbolism, which would seem to refer them to a group by themselves. Among the common features may be mentioned the two horns, the radiating eagle feathers, red horsehair, and the markings on the face. Thus the clan mask of Kotka (Bear chief) is almost identical with that of Wiki (Snake chief), and both resemble that of Naka (Katcina chief). Evidently they are not totemic of the clan, or at least their symbols are not eharacteristie of the clan, hut their similarity implies that they are symbolie of some common personations for which they were once used.

Of all the masks now employed in personations the author regards the old clan masks as nearest in symbolie designs to those of Calako,
and it is possible that they were used in representing the same beings for which Calako masks are still employed. The author believes that the Calako giants are personations of sun gods and that the ancient clan masks of the Hopi are survivals of those once used in sun personations by extinct or nearly extinct clans. The former use of these masks in sun worship and their antiquity give them a particular sanctity; the chiefs rarely use them, but preserve them with great reverence.

Objection might he made to this identification, for these clan masks have two horns, which are absent in Hopi sun masks, and the facial markings are different. The author theoretically connects the horns with those of the bison, and believes that the clans which once had these forms of sun masks derived them from those tribes which practiced a Buffalo sun ceremony.

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OLD MASK (KATCINA CLAN)
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(Plate XLVII)
This ancient mask is called Naka's katcina from the name of the chief in whose keeping it now is, and probably belonged to an old Katcina clan. The picture represents a disk-formed head, painted green, with goggle eyes. The upper half of the head is surrounded by a plaited corn-husk border, with inserted eagle feathers forming a crest, in which are red lines, indicating horsehair. On each side of the head are represented horns, decorated with zigzag marks, which are repeated on the forehead.

The mask which is here figured is not now used, but hangs in a back room of the house of the Katcina clan. It is said to have been brought from Kicyuba, the ancient pueblo of this clan. Probably the clan of which it was the sun mask is now extinct, and the mask remains in the keeping of the chief of the clan nearest related to that which once owned it. The sun mask of the Katcina clan, called Ahül or Old Man Sun, is elsewhere described.

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OLD MASK (TCÜ̈A CLAN)
(Plate N゙LTHI)
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The ancient mask of the Tcüa or Snake clan, called Wiki's katcina, in whose keeping as clan chief it is, has a rounded top, with bearded face surrounded by a plaited corn-husk border in which are inserted radiating eagle feathers and red horsehair.

A horn is appended to each side of the head. and between the eyes on the forehead appears an arrow symbol. The body is painted red and the kilt is horselair of the same color.


OLD MASK (HONAU CLAN)


HOPIÑYU (ISAUÛ CLAN)


POHAHA (TE CLAN)


SAMO WÜQTAKA

OLD MASK (IIONAU CLAN)
(Plate NLVIII)
The ancient mask of the Houau or Bear clan is called Kotka's katcina, and is in the keeping of this chief. The Bear people were the first to arrive at Walpi, and their last village before they came there was situated at Türkinobi, on the mesa above Sikyatki, where the ruins of their old home are still pointed out. Kotka belongs to the Spider (Kokyan) clan of the Honau phratry, and is not only chief but also the sole remaining male member of this ancient Hopi family.

The similarity of the mask to other old helmets is striking. The edge of the face is surrounded by plaited corn husks in which are inserted eagle tail feathers forming the crest. The red marks represent red horsehair. The two horns are commonly found with Wüwükoti masks, and the beard is not an uncommon feature. The red object protruding from the mouth represents a tongue.

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POHAHA (TE CLAN)
    (Plate XLN`III)
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This picture represents a katcina called Pohaba by the Tewas, Nalucala by the Hopis, the mask of which is owned by Wehe, a menber of the Te clan. The propriety of the name Nalucala (four horns) appears from the picture. The face is divided as in other sun masks, and there is a hideous mouth and bcard. In the right hand the figure carries a whizzer or bull-roarer, and in the left a bow and arrows. It wears a bandoleer on the shoulder, over which is thrown a buckskin.
The leggings remind one of those worn by the eastern or Plains Indians, with whom the Tewas were formerly connected. This is undoubtedly one of the katcinas which the Tewa colonists brought to the East mesa in early times.

> hopiñŷ̂ (xsadê clan)
(Plate NLVIII)
This picture represents an ancient persouage of the Isaû̂ (Coyote) clan, and is commonly known as Lesu's katcina, from the fact that the mask used in personating it is in the keeping of this man, who is the clan chief.

The face is divided by a median vertical line into two fields, one colored white, the other green. The lower part of the facc, separated from the upper by a horizontal line, is colored red, and there is a long, pointed suout. Both sides of the face are covered with small crosses or stars.

A row of eagle feathers is continued from the head down the back, with red lines shown among the feathers, indicating horsehair. There are highly colored parrot feathers on the top of the head.

Accompanying the figure of Hopinyy, the artist has drawn a picture of Samo wüqtaka (Old Man Cactus), who carrics a cactus fruit in one hand and a basket of the same on his back.

Hopiñyû is sometimes called a Sikyatki katcina, as the clan by which the helmet is now owned formerly lived in a pueblo near Sikyatki, called Kükütcomo, which is now a ruin. The author has seen a fragment of pottery from Sikyatki, on which is drawn a face identical in symbolism with that which is here depicted as characteristic of Hopiñŷ̂. ${ }^{a}$

> KE TOWA 131SENA
(Plate LNII)
This ancient mask belongs to the Bear family of Hano, and has a general similarity to Kotka's ${ }^{b}$ mask, or that of the Honau (Bear) family of Walpi.

There are the same radiating eagle feathers about the head, the lozenge-shaped eyes, mouth, and long beard, but no horns are represented in the picture. In place of the latter we have, on the righthand side, a symbolic squash blossom, and on the left, feathers.

The katcina, as represented, has a fox skin about the ncek and a bear skin over the shoulders. He carries a ceremonial water gourd in the right hand, a small pine tree in the left. The artist has also represented two bear paws on the feet.

Masks Introduced hy Individuals<br>sIO (SOYOWA)<br>(Plate $\mathrm{N゙LV}$ )

A Hopi named Wikyatiwa ${ }^{c}$ introduced a few years ago into Walpi from Zuñi a kateina to which the name Soyowa has been given. The picture of this being shows a mask with two upright tablets, one on cach side, terraced to symbolize rain clouds. On the front of the lower part of these tablets there are symbolic sunflower symbols, and the visor of the mask has the form of a crest of eagle feathers. Two figures painted on the forchead are rain-cloud symbols. The face is grecn, with three oblique lines, colored ycllow, red, and hlue, on cach chcek. The introduction of this katcina by a man still living at Walpi is an instructive example of the way in which additions have been made to the Hopi pantheon in modern times.

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YUÑA


WAKAC


MAKTO



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YUN\tilde{A}}\mp@subsup{}{}{a
(Plate NLIN)
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The Cactus katcina, introduced by Homovi, has not been personated for many years. On the head are drawn branches of the so-called prickly-pear cactus, the red berries of which are realistically shown.

The symbols of the helmet are the moon and stars on a white field. and similar stars appear on the breast and forearms. Elaborate armlets with suspended feathers are shown near the shoulders, and a bow and arrows are represented in the left hand. To the former. feathers of the eagle are attached. The collar is of pine branches, and sprigs from the same tree are inserted in the armlets and belt.

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YUÑA MANA
(Plate NLIX)
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The Cactus maid who accompanies the Cactus katcina carries a pair of catctus tongs, an implement made of wood by which the prickly pear is gathered, in her right hand, and in her left a basket or bowl containing the fruit. She wears a mask painted white with two rertical black marks on each cheek. She has likewise turquoise ear pendants, triangular mouth, and hair arranged in two whorls above the ears.

$$
\begin{gathered}
\text { WAKAC" } \\
\text { (Plate XLIN) }
\end{gathered}
$$

The Cow kateina mask, commonly named after Satele, a Hano man of the Bear clan who introduced it, has a cow's head, realistically drawn. but with no distinctive symbolie markings.

MAKTO ${ }^{\text {r }}$
(Plate XLIN)
The mask represented in this picture has the figure of a putekohu, or rabbit stiek, across the face. It has likewise two parallel marks on each cheek, and carries rabbit sticks, one of which is raised as if in the act of being thrown. There are two rabbit sticks in the left hand. Pontima, chief of the Ala elan, owns the mask, and it is commonly ealled his katcina.

## PAK1OKW1K

(Plate LNiI)
Pakiokwik, the Fish katcina, was introduced into Hano by a man named Kanu. A design representing a fish is depicted on the face.

[^56]This is an excellent example. of which there are many, serving to show how a man who in recent years has seen an object which he believed to be efficacions in bringing rain, has made a picture of it on his mask.

## Personators Appearing in Races Called Wawac

Sereral masked men are introduced by the Hopis in their foot races, which are elsewhere" described. A Hopi foot race is conducted as follows: A half dozen men representing clowns wearing masks take position in line at one end of the plaza behind a blanket placed on the ground, upon which are the prizes-corn, dried peaches, and paperbread. They challenge the spectators to run for these prizes, and anyone who wishes to do so steps before the blanket, and immediately the race is on, the course being generally across the plaza.

The clown or masked man carries a whip or sheep shears, and if he overtakes the contestant he strikes him vigorously with the whip, or in some cases cuts off his hair. If, however, the spectator who has accepted the challenge outrums the masked man, the prize which was amounced before starting belongs to him.

These races often occur in the midst of katcina dances, and clowns and other masked individuals participate in them to amuse the spectators.

In pictures of Wawar the Hopi artist has as a rule represented the prizes, generally a string of paper-bread (piki), hanging above the picture.

## AYA

(Plate L)
This katcina appears in pairs in the Wawac, or Racing Katcina, and is readily recognized by the rattle (aya), which has swastika decorations on both sides, forming the head. The snout is seen in the blue projection near the left hand.

Aya wears the belt in a peculiar war, the ends hanging in front and behind, not on one side as is usnally the case.

The red objects above the pictures represent rolls of paper-bread, the prizes in the races.

## LETOTOBI

(Plate L)
The two figures represented in this picture have the eharaeteristic attitude of runners; they appear in the Wawac, as the prizes hanging above them indicate. Their masks have characteristic red hands across the mouths and eyes, and are surmounted by crests of yellow fox skins. Their bodies are smeared black.

[^57]The picture represents an Indian pursued by the dreaded katcina called Hemico. ${ }^{\text {a }}$ The bundle of paper-bread and a few ears of roasted corn which hang above them are prizes.

Hemico has in his hand a pair of sheep shears, with which, if he overtakes his opponent in the race, he cuts off his hair. In his right hand he carries a yucca whip, with which he also flog's his opponent. Other characteristic symbols of this being are parallel bands of color across the forehead, and ring figures of various colors dependent from a yellow band around the top.

Hemico is said to have been derived from Sikyatki, and it is recounted in legends still preserved that he cut a Walpi girl's throat with a stonc knife, the deed which ultimately led to an attack on Sikyatki by the Walpians and the destruction of that pueblo.

TCUKAPELLI

(Plate LI)
These two beings, oue of whom wears a peculiar mask, represent episodes sometimes introduced during katcina dances as a byplay to amuse spectators. In this instance one of the Tcukapellis ${ }^{b}$ has under his left arm a bag full of clay balls, one of which he holds in his right hand in the attitude of throwing it at his companion. The other hats four tufts of hair fastened to the top of his head. The bodies are naked, save for a breechclout, and are smeared with mud.

## PALABIKUÑA

(Plate LI)
This katcina appears in the Wawac, as is indicated by the rolls of paper-bread hanging above the figure. He wears a red kilt, ${ }^{c}$ which gives him his name, and carries yncca wands in his hands with which he flogs the naked runners in the races if he overtakes them. The objects on the sides of the head are frameworks of sticks.

## KONA

## (Plate LI)

Kona, the Chipmunk katcina, likewise appear's in the Wawac, as the prizes of yellow and red paper-bread hanging above the figure

[^58]indicate and the rucca whips in his hands imply. The mask represents the head of the chipmunk, and the body is painted in parallel stripes to make the resemblance even more realistic.

## MACMAHOLA

(Plate LI)
This being sometimes takes part in the foot races. The picture shows a globular mask, two sausage-like appendages on the top of the head, and an old planting stick in one hand.

## TCILIKOMATO

(Plate LI)
This picture represents a hunting katcina, with rabbit sticks (putckohur) in both hands. There are two vertical black marks on each cheek and two horms on the head. Tcilikomato is personated in foot races.

WINTCINA
(Plate LII)
This being assists the clowns, and amuses the spectators by throwing mud during the dinces and festivals.

PIPTUKA"
(Ilate LII)
Piptuka appeat: in puhbic dances and is a participant in the antics of the mudheads, or clowns. He carries a hoe orer his shoutder and a planting stick in his. left hand, indicating his connection with planting.

1'ATUE゙

(Plate LII)
Patuin, the Squash kateina, is represented as a man with body painted green with black stripes, bearing squash blossoms in his hands. The mask is of the same green color, with black stripes, and is made of a large grourd bearing an imitation of a squash flower on the larger end.

TATACMA
(Plate LIII)
These two figures are playing a game which is sometimes introduced in kateina dances. This game consists mainly in striking a buckaskin ball with a stick. Each person holds the end of a string attached to this hall. which fliew back and forth as struck by the players.




TATACMÛ

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They wear masks which have nose, eyebrows, and mouth represented in relief. The eyes have black radiating lines, and there is a black zone on the lower edge of the mask. The hair is a fragment of sheepskin painted black, and there are several feathers on the head. Each player has eagle tail feathers tied to his shoulders.

PASKI

(Plate LIII)
These pictures of Paski represent a planting katcina. An examination of the masks shows one with red and green parallel lines on the cheeks, the other with a broad red hand. One has the hair done up in a queue behind; the other has it hanging down the back. Both wear black belts on their loins and have white kilts thrown over the shoulders in a peculiar way. They are represented as using modern hoes. ${ }^{\text {a }}$

## Nakopan Personages

(Plate LIV)
A short distance from the ruin of Sikyatki there is a cave in the side of the mesa concerning which there is a well-known tradition preserved to our time. It seems that when Sikyatki was in its prime two children left their home and lived in this care hidden from their mother. Their hiding place, at first unknown to their parent, was afterward discovered, and their mother daily brought them food and laid it on the rocks above the care. The children used to go to this place to obtain the food, and a pictograph still visible there marks the place where they sat.

The author was anxious to get a picture of the Nakopan hoya, or the Nakopan children, as they are called, and this plate drawn by a Hopi named Winuta is the result. The following personages are depicted in the picture:
a, Telavai or Dawn katcina; $l$, Hahai wiqti; c, Mana, maid: $d$, Paiakyanlû; e. Hehea katcina: ${ }^{\circ} f$, Añya katcina; !/, Tatcükti.
On account of the illicit love of Hahai wüqti and Paiakyamû, who are represented arm in arm, Telavai. her hushand, sought the maid, whose arms he grasps. Hehea, Anya, and possibly Tatcukti, the children, fled from Sikyatki and lived in a neighboring cave.

This picture, so far as the evidence goes, supports the belief that the Sikyatki people were familiar with the katcina cult; and it is instructive to notice that it portrays some of the most ancient katcinas of the Hopis.

## Beinge not (alleed Katcinas

LANONE MANA
(Plate LX)
The two maids represented in this picture appear in the basket dance called the Lalakoñti. The bands on their heads support raincloud symbols, and to these bands are attached horns and squashbossom symbols. The objects rising vertically from the back of the heads and the clusters in the same place represent eagle tail feathers.
The faces of the girls are painted yellow, with hack lands across the temples and from each corner of the mouth to the ears. In their hand they carry half corncobs with two appended eagle feathers, which oljecets are thrown into figures of rain clouds made of meal on the ground by their male companion, called Lakone taka.
The dress of Lakone mana, especially the appendages to the headbund, differs somewhat in the different Hopi puchlos, as may be seen by consulting a description of the basket dances."

MAMZl:AU MANA
(Plate LT)
These pietures represent the two girls who appear in the Maraupaki or Manzrauti, an Octoler festival, in which the women carry in their hands wooden tablets bearing figures of corn and rain clouds, and other designs.
The thighs of the personators are painted with black rectangles. and on the heads there are wooden frameworks with apical eagle feathers and red horsehair. 'They wear kilt. reaching nearly to the knees, the only instance to the author's knowledge of the use of this grament by girls in ceremonial dantes. Their hair is tied down the back.

## PALAHIKO MANA

(Plate LV'I)
This figure represents Palahiko mana as she appears in the Mamzranti ceremony. The head tablet is tied by a string under the chin, and to this tablet is attached a band which passes over the forehead, as shown in the picture. The tablet is made of that boards, and consists of six parts, two vertical, two lateral, and two diagonal, each representing rain-eloud symbols tipped by eagle feathers.
The red objects, one on each side between the lateral and rertical components of the tablet. are symbolic aquash blossoms, or the whorls in which Hopi maden- dress their hair. The cup-shaped, pedunculated




objects in the hair represent corn flowers. The hamd across the forehead marked with bars represents an ear of corn, and the red bodies attached to cach end are fragments of sheepskin, symbols of corn tassels. Two eagle tail feathers also are attached to each end of the symbolic corn ear. The median olject. colored green, hanging hetween the eyes, represents a fragment of Haliotis shell.

Red cherrons are painted on the face. The square, green pendants, one on each side of the head. reprenent turquoise ear pendants. which are highly prized by the Hopi madens.

Palahiko mana" wears three blankets-a kilt, thrown across the right shoulder and hanging under the left arm, with rain-cloud and falling-rain designs embroidered on it, and two wedding blankets. with triangular rain-cloud and butterfly symbols, tied ahout the hody. The ends of the great white girdle are shown under the upper of these blankets on the left side. The necklace is of coral beads, and strings of turquoise pendants are shown about the neck. The figure carries a feathered stick in each hand.

## HOPl CALAKO MANA

(Plate LJI)
On one of the two pictures of this being is seen a mask with a prominent tablet almost identical with that of the preceding. The tablet represents teraced rain clouds, of which there are two rertical and two horizontal, one of each on each side. The ohject with bifid tips on each side of the tablet represents the squash blossom, symbolic of maidens' hair dress.

Across the forehead is a smbol of an ear of corn, with two feathers attached to cach end. The ring hanging over the forehead represents a fragment of Halioti, shell. There are imitation flowers made of wood represented in the hair. The left eye is yellow, the right blue. The cherrons on the cheek are similar to those found on the face of Palahiko mana. ${ }^{\text {b }}$

The artist has represented a garment of feathers, over which is thrown a white ceremonial banket with embroidered border. The two adjacent trees are pines.

## BULI MANA

(Plate LVII)
Buli mana, the Butterfly maid, appears in a dance which was introduced from the Rio Grande pueblos, where it is called the "Tablita," from the tablet. worn by the women on their heads. This dance is

[^59]occasionally performed at the East mesil, but is unaccompanied by secret rites.
Each figure bears on the had at board tablet, the edge of which is cut into terraces representing rain clonds. Figures of sunflowers or the sun. or other symbols are painted on these tablets.

Although the personator of this maid is without a mask, her cheeks are painted with red spots. The bluc or the ycllow garment, as the case may be, is made of calico, under which is a woman's blanket, bound to the waist by a red belt.

The small figure between the two girls represents the standard bearer, who precedes a procession composed of men and women alternating with each other, the latter being dressed as in the pictures. The standard bearer carries a long pole, to the top of which is attached a gourd, painted black, with red-stained horsehair and parrot and other feathers attached. In the few representations of the Butterfly dance which have been given in late years, this standard bearcr has carried a banneret on which is painted a picture of a Hopi girl.

cotokinuñw ̂̀

(Plate LVIII)
This picture represents Cotokinuñw, the Heart-of-the-sky god, who is readily recognized by the single curred horn on the head and the rain-clond symbols on the face and base of the horn.

In his left hand he carries the framework of sticks which symbolizes the lightning. This framework has attached to each angle an eagle feather, which the painter has indicated in black lines.

In the right hand he carries the whizzer or bull-roarer, a slat to which a string is attached, with lightning represented by a zigzag band in red. Two bandolecrsare represented. The legs and forearms are painted black. ${ }^{"}$

## KAISALE

(Plate LVIII)
This picture was identified by all as Kaisale, the name given it by the artist.

## KAISALE MANA

(Plate LVIII)
This picture represents a maid accompanied by a Hano glutton (Paiakyamû). The former holds an ear of corn aloft, as in the dance called Klahewe which is celebrated at Zani.

[^60]bureau of american ethnology





ALOSAKA

## ALOSAKA

(Plate LIX)
Two pictures of Alosaka were drawn by the Hopi artist. One of these has a mask with two short, curved horns, such as novices wear in the Aaltû soeiety. In the left hand this Alosak: (arries a deer horn, and in the right a representation of a badge (moñkohu) made of a slat of wood. ${ }^{\text {" }}$

The second picture of Alosaka ${ }^{b}$ is more claborate than the first. It has the two horns on the head, and the chin is painted black. The semicircular figure above the head represents the rainbow on which gods are said to travel; it is appropriately introduced with Alosaka, who is said to have walked on it from the San Francisco mountains to meet an Awatobi maid.

A great part of the picture is taken up by a large rectangular figure of a moisture tablet (pavaoakaci), an object worn on the back by many personators. This tablet is, strictly speaking, a framework over which is stretched cloth or buckskin, painted as indicated in the figure. ${ }^{\circ}$ The zigzag lines about the border represent plaited eorn husks, in which feathers are inserted. The red lines drawn between these feathers represent red horsehair, and the small fircular objeets, three in number on each side, are small disks made of gourds.

## Ahülani ${ }^{d}$ <br> (Plate LN゙)

This figure represents the Soyal katcina. Ahülani. and the two Soyal manas as they appear on the morning of the last day (Totokya) of Soyaluña, as elsewhere deseribed. The decoration of the Ahülani mask differs in its symbolism on alternate vears, accordingly as the Snake or the Flute dance is celebrated. In the latter case the eres and mouth are represented by crescentic marks, but in the former we find a horizontal black band across the face through the eyes.
Ahülani carries under his left arm sereral cars of corn, and spruce boughs or twigs. In his left land he bears a chief's badge and skin pouch with sacred meal, while in his right he carries a staff.
The two Soyal manas differ only in the color of the corn whieh they carry; one has yellow, the other blue corn. Each has a yellow maskette, before which falls a bang composed of horsehair stained red. An eagle breast feather is fastened to the salp. The lower

[^61]part of the mask is banded green. red, and hack, and black feathers are attached to its lower border: In their hands the maids carry basket plaques. on which are rings of corn cars set on end, with cedar boughs, here represented green. In the white inclosed space formed by this ring of corn ears is raw cotton.

In the Walpi winter solstice festival, the three beings here represented emerged from the kiva at dawn, and sang at different points in the pueblo, after which they retired to the kira and distributed seed corm to the women of the village. ${ }^{\text {" }}$

The similarity of the words Ahülani and Ahül is explained by a derivation of both from the word ahïlti (return). The Ahül katcina is the Return kateina, the first in Powamin to return to the pueblo. He is in fact the Tawa wüqtaka (Old Ma: Sun), and the similarity of the symbolism of his mask to that of the sun is evident. So Ahülani is the "return katcina making," or the returning sun of the Patki, as Ahül is the returning sun of the Kateina clan. Both these names are attributal names of the sun.

Although Ahülani. ats his picture shows, has no sun symbolism in his mask, his crescent eyes are often seen in sum symbols. There is another indication that he may be in some way connected with the sun. A personation of Ahül katcina is said to appear in some of the other puehlos in place of Ahülani, which substitution indicates their identity. In the dance in the kiva the night before Ahülani and the Soyal manas appear, there is a man representing a bird which the author interprets as a personation of the sun: ${ }^{b}$ the Soyal manas are regarded ats either germ goddesses or cultus heroines of the Water-house or Raincloud clan. In kiva exercises the personation of the sun takes an eagle form, which is not assumed in public, although the same god is personated in the plaza under the name Ahülani.

## TANOAN NAMES FOR HOPI KATCINAS

In the following list are given the Hano (Tanoan) names of about sixty of the personages figured in the preceding pages. Many of these are simply Tanom tramslations of the Hopi nanes, a few names are identical with the Hopi, and a large number are entirely different.

In the instances where the names are identical it is probable that the Hopi designation has been derived from the Hano rather than rice rersa, and in those cases where the Hano people know a katcina by it Hopi name it is possible that their knowledge of it came from their neighbors rather than from their old home on the Rio Grande.
The substitution of a Tanoan mame for a Hopi katcina for its original name often sheds light on the character of the original. Thus Muyiñ wüqtaka is the Tanoan Nañoikusi, Earth Altar Man; Nañoiu-

[^62]


kwia. Earth Altar Woman, is called in Hopi Tuwapoñtumsi. The lists follow:

| Hopi name | Hano (Tamoan) name |
| :---: | :---: |
| Alosaka | Ceni |
| Anya | Onkweñi |
| I tocle | Atocle |
| Caiastacana | Katcinetcen |
| Calako | Calako |
| Cipikn" | orlakepeme |
| Citoto | Porpinki |
| Citulilü | Citulilü |
| Coho | Agaiyo |
| Cotokinuñw | Kwentulaci |
| Eototo | Tcemulo |
| Hahai wüqti | Pokikwia |
| Hakto | P'arsepenne |
| Helilülü | Helilülı̈ |
| Hokyaña | Koñtedje |
| Hototo | Sempotañle |
| Humis | Tsewe |
| Kaisale | Teñtaiye |
| Kalektaka (Akus) | Potaiye ' |
| Kawikoli | Papepekanne |
| Kiwatoka | Tcete |
| Kokle | Kokle |
| Kokopelli | Nipokwaiye |
| Kokyan wüqti | Yowanosaiye |
| Koroctu | Estoroka |
| Kwacus Alektaka | Zekwansaiye |
| Kwahu | Tce |
| Macmahola | Peñemo |
| Masaû̂ | Pene |
| Monwit | Mahone |
| Muyiñŵt mana | Nañoiukwia |
| Muyiñwi taka | Nañoikusi |
| Nakiatcop | Pelekayi |
| Natacka | Natacka |
| Nüvak | Poñ |
| Pakwabi | Yütce |
| Palülükoñ | Avaiyo |
| Paluña hoya | Towatokwena |
| Patcosk | Kweñtcelepoe |
| Patutiwa | Pantiwa |


| Hoyi name | Han", (Tancan) name |
| :---: | :---: |
| Pawik | Orpin |
| Püükoñ hoya | Ewaile |
| sio | Teoni |
| sio Arate hoya | Potedji |
| Sowiñw | Peñ |
| soyohim | Temedje |
| Soyoko | Soyoko |
| Sumaikoli | Sumaikoli |
| Talatumsi | Cenikwia |
| Tataukyanû | Tcipiwaiye |
| Tatcükti | Uñtanellipo |
| Teabaiyo | Teabaiyo |
| Tcakwaina | 'Tcakwaina |
| Tcilikomato | Kwandepe |
| Tcolawitze | Teolawitze |
| 'Tcüb | Ton |
| Tehabe | Hoho-Pocililï |
| Telavai | Zuñtele |
| Tiwenu | Tiwenu |
| Tumae | Oñtcen |
| Tuñwup | Ho |
| Türkwinı̂ | Pompin |
| Wakae | Wakat |
| Wukokot | Tekwede |
| Wupanau | Teeta |
| Wüwụ̈omo | Senna |
| Yehoho | Chikokakyan |
| Yohozro wüqti | Imbesaiye |

## ORIGIN OF FOREIGN KATCINAS

A few facts have been gathered regarding the legendary derivation or origin of certain katcinas. The names of these katcinas are given below. with the clans which are reputed to have brought them to Walpi or other Hopi pueblos of the East mesa, and the pueblos from which they are supposed to have come. Several of these are now in ruins.


| Lanone mana | Soyal mana |
| :--- | :--- |
| Cotokinuñwû | Hopi Calako mana |
| Palülükoñ | Türkwinû $b$ |
| Ahülani (Noyal kateina) | Türkwinû mana |

[^63]hicyuba (hatcime clun)"

| Wüwükoti | Tcüelawû b |
| :--- | :--- |
| Ahül | Hele |
| Anwücnaco takıl | Wupamau |
| Tnñwup | Aña |
| Tuñwup taadta |  |

Aratolis (Pakal clan)"

| Tcanâ̂ | Mamzrau mana |
| :--- | :--- |
| Püükoñ | Palahiko mana |
| Paluña loya | Sowiñwû |
| Owakül tiyo | Soyok taka |
| Owakül mana | Soyok mana |
| Alosaka | Kwewù |

Sikyattic (Koton) chan)

| Masauû | Henico |
| :--- | :--- |
| Eotot艹 |  |
| Nakopan hoya | Hopiñyû |

Tenounaculi (ILomemi clem)"

Buli mana
Z"mi
By far the largest number of kateinas in Walpi and Sichumori were derived from Zuñi. and these generally preserve their Zuñ names:

| Sio Humis | Tcolawitze |
| :--- | :--- |
| Sio Humis taadta | Atocle |
| Sio Aratc hoya | Kwacus Alek taka |
| Hoplak katcina | Alo mana |
| Hopak mana | Caiawtacana |
| Kaisale and nana | Hototo |
| Citulilü | Powa |
| Sio Calak", | Kaisale |
| Pawik | Sumaikoli |
| Soyowa | Tcakwaina |
| Teük | Tcakwaina mana |
| Kawikoli | Tcakwaina taadta |
| Malo | Tcakwaina yuadta |
| Sio | Loiica |
| Helilülü | Kokolelli |
| Sio mana | Kokopelli mana |
| Hokyaña | Tcosbuci |
| Pautiwa | Soyan ep |
| Ciwikoli | Samo wüqtaka |

[^64]Hane
The following katcinas are distinctively 'Tanoan, and were derived from the pueblo of Hano:

| Wakac | Yohozro wüqti |
| :--- | :--- |
| Nalucala | Mucaias taka |
| Ke Towa Bisena | Macaias mana |

Several katcinas personated by the Hopis are called by Navaho names and are said to have been derived from the tribe, the name of which they sometimes have:

| Tenebidji | Owa katcina taka |
| :--- | :--- |
| Naactadji | Owa katcina mana |
| Tebitcai |  |

## ALPHABET USED IN SPELLING NAMES

The rowels a, e, i, o, u have their continental values, as in father, they, pique, go, true. E, i, and $u$ are broadened when used with a breve ( $\check{r}$, $\check{y}, \mathrm{u}$ ) or before a doubled consonant, assuming their values in met, hit, and put. $\hat{U}$ is pronounced as $n$ in but, au as ow in cow, ai as in aisle; ü varies from German ö to ü, French eu to u.
The consonants $\mathrm{p}, \mathrm{b}, \mathrm{t}, \mathrm{d}, \mathrm{k}, \mathrm{f}, \mathrm{v}, \mathrm{s}, \mathrm{z}, \mathrm{l}, \mathrm{m}, \mathrm{n}, \mathrm{w}, \mathrm{y}, \mathrm{h}$ have approximately their English values, but p, b, f, and v, and $t$ and $d$ are difficult to distinguish. ( is pronounced as in ocean (as sh in shed), $j$ as $z$ in azure (French j), te as ch in chew, dj as j in jaw, $g$ as in get, $\tilde{n}$ as ug in sing, $q_{1}$ as German ch in ich; $r$ is obscure, never rolled.

[^65]IROQUOIANCOSMOLOGY<br>fitst part<br>Br<br>J. N. B. HEWITT

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# IROQUOIAN COSMOLOGY 

FIRST PART

By J. N. B. Hewitt

## INTRODUCTION

The term Iroquoian is derived from the name Iroquois, which, adapted from the Algonquian Indian language by the early French explorers, was applied originally to a group of five tribes then united in a permanent confederacy for offense and defense, and inhabiting the central and eastern portions of the region now comprised within the State of New York. Among other names they were called the Five Nations, and the League of the Iroquois, and, after their adoption of the Tuscaroras, in 1722, the Six Nations. These five tribes attained the zenith of their remarkable carcer during the latter part of the serenteenth century, when, by the exploitation of the fundamental principles of the constitution of their League, they dominated by force of arms the greater part of the watershed of the Great lakes. Never very numerous, they reached this commanding position by an incisive and unexcelled diplomacy, by an effective political organization founded on maternal blood relationship, both real and fictitious, and by an aptitude for coordinate political action, all due to a mentality superior to that of the surrounding tribes.

The sophiology-that is, the body of opinions-of a people such as the Iroquois is necessarily interesting and very abundant. It would be an almost interminable work to collect these opinions exhaustively and to publish them in a body, so in the accompanying texts only narratives relating to the genesis of things are included. The following comments may serve to aid the scholar who would study these narratives at first hand, giving him what the author regards as the most apparent viewpoints of their relators and originators:

It must not be overlooked that these texts represent largely the spoken language of to-day, conveying the modern thought of the people, although there are many survivals in both word and concept from older gencrations and past plancs of thought. These archaisms
when encountered appear cnigmatic and quaint, and are not understood by the uninformed. The relators themselves often do not know the signification of the terms they employ. The author has attempted, where it appeared needful, to reduce evident metaphors to statements of concrete things which gave rise originally to the figures of speech.
The attempts of a primitive people to give in the form of a narrative the origins and to expound the causes of things, the sum of which constitutes their philosophy, assume in time the form of cosmologic legends or myths. In these legends are stored the combined wisdom and speculations of their wise men, their ancients, their prophets, and their soothsayers.

By primitive man all motions and activities were interpreted as manifestations of life and will. Things animate and things inanimate were comprised in one haterogeneous class, sharing a common nature. All things, therefore, were thought to have life and to exercise will, whose behests were accomplished through orenda-that is, through magic power, reputed to be inherent in all things. Thus, all phenomena, all states, all changes, and all activity were interpreted as the results of the exercise of magic power directed by some controlling mind. The various beings and bodies and operations of environing nature were interpreted strictly in terms of the subjective self. Into the known world self was projected. The wind was the breath of some person. The lightning was the winking of some person's eyes. The generative or reproductive power in nature was personified, and life and growth were in the fostering care of this personage.

Upon the concepts evolved from their impressions of things and from their experience with the bodies of their environment rest the authority for men's doctrines and the reasons for their rites and ceremonies. Hence arises the great importance of recording, translating, and interpreting from the vernacular the legends constituting the cosmology of peoples still largely dominated by the thoughts peculiar to the cultural stage of imputative and self-centered reasoning. The great difficulty of accurately defining and interpreting the ideas of primitive man without a deep and detailed study and a close translation of the words embodying these ideas renders it imperative for their correct apprehension that they be carefully recorded in the vernacular, and that there be made not only a free but also a literal rendering of the record, in such wise that the highly subjective thought of barbaric man may be cast, so far as is possible, into the more objective phraseology of science and enlightenment. By this means it is possible to obtain a juster and more accurate comprehension and interpretation of the thoughts and conceptions underlying and interworen with the cosmologic and other legends of primitive man than that obtained by the ordinary method of recording only a free and popular version of them.

A fact of great importance made evident in these texts is that anthropic persons, called man-beings in the accompanying translations, were, in Iroquoian thought, the primal beings. They were the first to exercise the functions and to experience the lot of their several kinds. Sometimes these first beings have been called the prototypes of the things of like kind which are to-day. Some of these beings were mere fictions, figures of speech made concrete and objective. They were not beasts, but they belonged to a rather vague class, of which man was the characteristic type. To speak with the logicians, no other deduction from the intension and the extension of the term oñgwe, man-being, appears sufficiently broad to set forth the true interpretation of the personages the narrative of whose lives and acts constitutes the subject matter of these texts. Among these primal beings may be named Daylight, Earthquake, Winter, Medicine, Wind, or Air, Life (germination), and Flower. So it seems evident from this fact that beast powers, the so-called beast gods, were not the first beings or chief actors at the beginning of time.

Beast gods appear later. In the development of Iroquoian thought, beasts and animals, plants and trees, rocks, and streams of water, having human or other effective attributes or properties in a paramount measure, were naturally regarded as the controllers of those attributes or properties, which could be made a vailable by orenda or magic power. And thus began the reign of the beast gods, plant gods, tree gods, and their kind. The signification of the Iroquoian term usually rendered into English by the term "god" is "disposer," or "controller." This definition supplies the reason that the reputed controllers of the operations of nature received worship and prayers. To the Iroquois god and controller are synonymous terms.

From the rery nature of the subject-matter and the slow acquirement of new ideas and development of concepts, the content of a cosmologic myth or legend must be the result of a gradual combination and readjustment of diverse materials, which, in the flux of time, are recast many times into new forms to satisfy the growing knowledge and wider experience and deeper research of the people among whom the myth is current. In different branches of a cognate group of peoples the old materials, the old ideas and concepts, modified by accultural influences and by new and alien ideas, may be combined and arranged in quite unlike forms, and hence arise varying versions of a cosmogonic legend. These different versions modify the thought contemporary with them, and are in turn still further changed by accultural influences and motives arising from the activities of the people. And in later times, when they no longer constitute the chief body of the philosophy of the people, these legends and stories concerning the causes and beginnings of things are called myths.

As has been suggested, the development of legend is not always internal. from the activities of the people dealing with the materials supplied by the legend itself, but often, and naturally, from alien material, from ideas and concepts consciously or unconsciously adopted from other peoples. And thas older forms and concepts, the ancient dogmas, are displaced or changed by accultural influences and by a more definite knowledge of nature atquired through a wider experience, at closer observation, and a more discriminating interpretation and apprehension of environing phenomena. Cosmologies, therefore, are composite, representing the accumulated explanations of many things by many generations in diverse times. The correct and fundamental analysis must therefore seek by a wide comparison of materials to separate the accultural from the autochthonous product. This analysis, however, can bring to light only such material as still exhibits by some marked token of incongruity its alien origin; for it is obvious that accultural matter in time becomes so thoroughly assimilated and recast that a more or less complete congruity is established between it and the cosmologic material with which it is joined, but to which it is, in fact, alien. Furthermore, where reason demands it, metaphor and personification must be reduced to concrete statements of objective facts upon which the original figurative expressions were founded; in short, the process resulting in metaphor and personification must be carefully retraced, so far as it may be possible so to do from the materials in hand.

It must not be overlooked that although these legends concerning the beginnings of things are usually called myths, creation stories, or cosmogonies, the terms myth and creation are, in fact, misnomers. In all of these narratives, except such as are of modern date, creation in the modern acceptation of the word is never signified, nor is it even conceived: and when these legends or marratives are called myths, it is because a full comprehension and a correct interpretation of them have to a large extent been lost or because they have been supplanted by more accurate knowledge, and they are related without a clear conception of what they were designed to signify, and rather from custom than as the source of the major portion of the customs and ceremonies and opinions in vogue among the people relating them.

Five different versions of the Iroquoian cosmology have been recorded by the author at different times from 1889 to 1900 . Of these only three appear in the fellowing pages, namely, one Onondaga, one Mohawk, and one Seneca legend.

The first text is an Onondaga version of the Iroquoian cosmology, obtained in 1889 on the Grand River reservation, Canada, from the late chief and fire-keeper, John Buck, of the Onondaga tribe. Afterward, in 1897, it was revised and somewhat enlarged by the aid of Mr Joshua Buck, a son of the first relator. It is not as long as the Mohawk
text printed herewith because the relator seemed averse to telling more than a brief outline of the legend. A version in the Onondaga, much longer and fuller than any herewith printed, has been recorded from the mouth of Chief John Arthur Gibson, and will be printed in a later report of the Bureau.

The second text is a Seneca version of the cosmologic legend, obtained in 1896 on the Cattaraugus reservation, in the western part of the State of New York, from the late Mr John Armstrong, of Seneca-DelawareEnglish mixed blood, an intelligent and conscientious annalist. Later, at varions times, it was revised in this office with the assistance of Mr Andrew John.

The last text in order is a Mohawk version, obtained in 1896 and 1897 on the Grand River reserviation in Canada from Mr Seth Newhouse, an intelligent and educated member of the Mohawk tribe.

In general outlines the legend, as related here, is identical with that found among all of the northern tribes of the Iroquoian stock of languages. It is told partly in the language of tradition and ceremony, which is formal, sometimes quaint, sometimes archaic, frequently mystical, and largely metaphorical. But the figures of speech are made concrete by the elementary thought of the Iroquois, and the metaphor is regarded as a fact.

Regarding the subject-matter of these texts, it may be said that it is in the main of aboriginal origin. The most marked post-Colnmbian modification is found in the portion relating to the formation of the physical bodies of man and of the animals and plants, in that relating to the idea of a hell, and in the adaptation of the rib story from the ancient Hebrew mythology in connection with the creation of woman. These alien elements are retained in the texts to show by concrete examples how such foreign material may be adopted and recast to conform to the requirements of its new setting. In the translation some of the quaintness of the original is retained, as well as some of its seeming tautology. No liberty, however, has been taken with the texts either in the way of emendation or addition or in rendering them into English. They are given exactly as related. It may possibly be objected that the interlinear and the free translations are too literal; but the aboriginal thought, however commonplace, figurative poetical, is set forth as simply and with as strict a rendering of the original as the matter and thought contained in it permit. It is no ready task to embody in the language of enlightemment the thought of barbarism. The viewpoint of the one plane of thought differs much from that of the other.
The idea that the bodies of man and of the animals were created directly out of specific portions of the earth by Tharonhiawakon" is a comparatively modern and erroneous interpretation of the original
concept. The error is due largely to the influence of the declaration of like import in the Semitic mythology, found in the Hebrew Scriptures, the figurative character of which is usually not apprehended. The thought originally expressed by the ancient teachers of the Iroquoian and other barbaric peoples was that the earth through the life, or life power, innate and immanent in its substance-the life personated by Tharonhiawakon "-by feeding itself to them produces plants and fruits and regetables which serve as food for birds and animals, all which in their turn become food for men, a process whereby the life of the earth is transmuted into that of man and of all living things. Hence. the Iroquois consistently say, in addressing the earth, "Eithinoha." "our Mother." Thus in 1896 the author's late friend, Mr David Stephens, a grave Seneca priest and philosopher, declared to him that the earth or ground is living matter, and that the tender plantlet of the bean and the sprouting germ of the corn nestling therein receive through their dclicate rootlets the lifc substance from the earth: that, thus, the earth indeed feeds itself to them; that, since what is supplied to them is living matter, life in them is produced and conserved, and that as food the ripened corn and bean and their kinds, thus produced, create and develop the life of man and of all living things. Hence it is seen that only in this metaphorical manner Tharonhiawakon, the personified life immanent in the matter of the earth, creates daily, and did in the beginning of time create man and all living things out of the earth. But the fiat creation of man and things from nothing or from definite portions of clay or earth, as the potter makes pottery, never is involved in the earliest known conceptions of the beginning of things. In the quaint protology, or science of first things, of the Iroquois things are derived from things through transformation and evolution. The manner in which the earth or dry land itself was formed, as detailed in the Onondaga and the Mohawk texts, is an apt example of this statement.

Another misapprehended figure of speech is expressed in the popular dogma of the virgin, or parthenogenetic, conception, which in this, as in other cosmologies, affects one of the chief persons. This is, however, a metaphor as old as the earliest philosophies of man. And some of the most beautiful and touching thoughts and activities of both barbaric and enlightened man rest on the too literal acceptation of the figurative statement of a great fact of life, attested by all human experience. namely, that breath (spirit, air, wind, atmos, atman) is the principle of life and feeling, and that without it there can be no manifestation of life. This is the key to the riddle of the rirgin. or parthenogenetic, conception. It is made very clear in the

[^66]Onondaga version. The fact and the idea are matters of experience in all times and in all lands.

While in general outlines and in the sum of incidents comprised in them the several versions of the cosmologic story of the Iroquois substantially accord, there are nevertheless marked divergences in both structure and matter, which in time, by further development from accultural and other potent causes, would necessarily cause them to be regarded as quite different legends in source and meaning; and this emphasizes the great and fundamental fact that all legends are the gradual result of combination from many sources by many minds in many generations.

Most of the characteristic incidents related in these legends are widely prevalent over the American continent, occurring among peoples speaking tongues of widely different linguistic stocks and dwelling in widely separated habitats. It should not be assumed that these coincidences are indubitably due to accultural influences, but rather that they indicate universality of the natural phenomena from which the incidents embodied are drawn. Among these coincidences may be mentioned that of the seclusion of the members of the animal world in a vast cavern by one of the chief characters of the legends, Winter, the man-being of frosts and snow and ice. This episode evidently portrays the amnual hibernation of the animals and insects and the migration of the birds caused by the winter power, which is called Tawiskaron by the Mohawks. "Ohaia by the Onondagas, and Othä'kwenda' by the Senecas.
The author desires to acknowledge his many obligations to the officers and staff of the Bureau of American Ethnology for most kindly advice, wise counsel, and many valuable suggestions, especially to the late Director, Major John Wesley Powell; to Professor W J McGee, formerly Ethnologist in Charge; to Professor William Henry Holmes, the present Chief of the Bureau, and to Herbert Spencer Wood, editor, who has also kindly performed the irksome task of correcting the proofs of the texts and translations while they were passing through the press.

## Alphabet and ablreviations

a as in far, father; Gm. haben: Sp. ramo.
$\bar{a}$ the same sound prolonged.
a as in what; Gm. man.
ii as in hat, man.
$\bar{i}$ the same sound prolonged.

[^67]a as in law, all: Fr. o in or.
ai as in aisle, as i in pine, find; Gm. Hain.
au as ou in out, as ow in how; Gm. hans: Sp. anto.
c as sh in shall; Grm. sch in schellen: Fr. ch in charmer.
© as th in health.
d pronounced with the tip of the tongue touching the upper teeth as in enunciating the English th; this is the only sound of d in this language.
e as in they; Gm. Dehmung; Fr. né; Sp. qué.
e as in then, met; Cm. demn; Fr. sienne: Sp. comen.
$f$ us in waif.
$g$ as in gig; Gm. geben; Fr. gont; Sp. gozar.
$h$ as in has, he; Gm, haben.
i as in pique, machine.
1 the same sound prolonged.
i as in piek, pit.
k as in kick.
$n$ as in nun, run.
n as ng in sing, ling.
$o$ as in note, rote.
q as ch in Gmi. ich.
r. slightly trilled; but in Mohawk it closely approximates an 1 sound.
s as in sop, see.
t pronomeed with the tip of the tongue touching the upper teeth as in enunciating the English th; this is the only sound of $t$ in this language.
11 as in rule; Gnr. du: Fr. ou in doux; Sp. uno.
ŭ as in rut, shut.
w as in wit, witch.
$y$ as in yes, yet.
dj as j in judge.
hw as wh in what.
te as ch in ehurch.
${ }^{n} \quad$ marks nasalized vowels. thus, $e^{n}, o^{n}$, ai $i^{n}$. $\grave{e}^{n}, \ddot{i}^{n}$.
6 indicates an aspiration or soft emission of breath, which is initial or final, thus, 'h, ěn', o'.
marks a sudden closure of the glottis. preceding or following a sound, thus, 'a, o', $\ddot{i}^{\prime}$, $\ddot{i}^{1{ }^{1 \prime}}$.
marks the accented syllable of every word.
th in this combination $t$ and hare always pronoumed separately.
In the literal (interlinear) translation the following abbreviations denoting gender have been used: z. = zoic; anthr. = anthropie; m. = maseuline; fem. $=$ feminine; indef. = indefinite.

## AN ONONDAGA VERSION

## The Manver in Whifif it Establishel Itself, in Which it Forned Itself. in Whin, in Ancient Time. it Came about that the Earti Became Extant

He who was my grandfather was wont to relate that, verily. he had heard the legend as it was customarily told by five generations of grandsires, and this is what he himself was in the habit of telling. He customarily said: Man-beings dwell in the sky, on the farther side of the visible sky [the ground separating this from the world above it].


|  | $\begin{aligned} & \text { hwi'ks } \\ & \text { five } \end{aligned}$ | nwăhoñdiă di"'să <br> so many they matured <br> 111 body | $\begin{gathered} \text { tea" } \\ \text { the } \\ \text { where } \end{gathered}$ | hodikstěñ̌il- <br> they ancient |
| :---: | :---: | :---: | :---: | :---: |


| $\begin{gathered} \text { gĕn' }{ }_{\text {were }} \text { hä’ } \end{gathered}$ | nā'ie ${ }^{\circ}$ <br> that <br> (it is) | $\begin{aligned} & \text { ne" } \\ & \text { the } \end{aligned}$ | hoñthoiă‘hă" $g$ wă they it tell did habitually | $\begin{aligned} & \text { ne" } \\ & \text { the } \end{aligned}$ | $\begin{gathered} \text { hi'i'ă' } \\ \text { verily } \end{gathered}$ | $\underset{\substack{\text { custom } \\ \text { custom- } \\ \text { arily }}}{ }$ | hothoñ'de’ <br> he it heard |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |


 did. $\begin{aligned} & \text { He it said chstom- Ther abide the } \begin{array}{c}\text { man- } \\ \text { habitually } \\ \text { arily: }\end{array} \quad \text { being } \quad \text { it } n y \text { in }\end{aligned}$

[^68]The lodges they severally possess are customarily long．In the end of the lodges there are spread out strips of rough bark whereon lic the several mats（beds）．There it is that，verily，all pass the night．

Early in the morning the warriors are in the habit of going to hunt and，as is their custom，they return every evening．

In that place there lived two persons，both down－fended，and both persons of worth．Verily，one of these persons was a woman－being， a person of worth，and down－fended；besides her there was a man－ being，a person of worth，and down－fended．

In the end of the lodge there was a doorway．On the one side of it the woman－being abode，and on the other side of it the man－being abode．
 hoũno ${ }^{n}$＇hwe＇sthă＇．
they（m．）stay over
night．
 That the earlyinthe henecthey depart the they（are）warriors
morning repeatedly （mat－bearers），
＊it 1 ど
hoñdowi＇thă＇
they go to hunt
habitually
gée ${ }^{n \prime}$ S．Shadilo $k \quad o \quad g^{\prime} a^{\prime} h o^{n} k \quad g^{\prime e^{n \prime}} s$
eustom－They returned evening after eustom arily．home habitually evening arily，
Nā＇ie＇ne＂ne＂tho＇de‘hni＂děñ＇，dehiiă đăge ${ }^{6 \prime}$ ，de＇hninoä＇do ${ }^{n}$ ，${ }^{a}$

they（m．）two are per－That the rerily she is one she man－ sons of worth．（it is）person being（is）

| $e^{\prime \prime}{ }^{\text {děñ }}$ |  | deienoí＇${ }^{\text {d }}{ }^{\text {n＇}}$ | $\mathrm{a}^{6 \prime} \mathrm{so}^{\mathrm{nc}}$ | $n e^{\prime \prime}$ | shāĭ̆＂＇dădă， |
| :---: | :---: | :---: | :---: | :---: | :---: |
| e | she is a person of | she（is） | still， | the | he one person | abides，

worth,
down－fended：
（is）

a Down－fended．This compound approximately describes a feature eharaeteristic of a primitive lroquoian custom，which required that certain children should be strictly hidden from the sight of all persons save a trustee until they reached the age of puberty．The better to guard the ward from aeeess the down of the cat－tail flag was carefully scattered about the plaee of conccalment，so that no person could pass into the forbidden plaee without first disturbing the down and so indicat－ ing invasion of the guarded precinct；hence，it is proposed to apply a literal rendering of the Iro－ quoian term＂down－fended＂to a person so concealed．Persons so hidden were regarded as uncanny and as endowed with an unusual measure of orenda，or magic potenee．

Sometime afterward, then, this came to pass. As soon as all the man-beings had severally departed this woman-being came forth and went thither and, moreover, arrived at the place where the manbeing abode, and she carried a comb with her. She said: "Do thou arise; let me disentangle thy hair." Now, verily, he arose, and then, moreover, she disentangled his hair, and straightened it out. It continued in this manner day after day.
Sometime afterward her kindred were surprised. It seems that the life of the maiden was now changed. Day after day it became more and more manifest that now she would give birth to a child. Now, moreover, her mother, the ancient one, became aware of it. Then, verily, she questioned her, saying to the maiden: "Moreover, what manner of person is to be joint parent with thee?" The maiden said

nothing in reply. So, now, at that time, the man-being noticed that he began to be ill. For some time it continued thus, when, verily, his mother came to the place where he lay. She said: "Where is the place wherein thou art ill?" Then the man-being said in reply: "Oh, my mother! I will now tell thee that I, alas, am about to die." And his mother replied. saying: "What maner of thing is meant by thy saying 'I shall die?'"

It is said that they who dwelt there did not know what it is for one to say " I shall die." And the reason of it was that no one living there on the sky had ever theretofore died. At that time he said: "And, verily, this will come to pass when I die: My life will go forth. Moreover, my body will become cold. Oh. my

mother! thus shalt thou do on my eyes: Thou must lay both thy hands on both sides. And, moreover, thou must keep thy eyes fixed thereon when thou thinkest that now he is [ 1 am ] nearly dead. So soon as thou seest that my breathing is being made to become less, then, and not till then, must thou think that now it is that he is about to die. And then, moreover, thou wilt place thy two hands on both my eyes. Now, I shall tell thee another thing. Ie must make a burial-case. When ye finish the task of making it, then, moreover, ye must place my body therein, and, moreover, ye must lay it up in a high place."

Now, verily, she, the ancient one, had her eyes fixed on him. So soon as she believed that now he was about to die, she placed both her hands on his eyes. Just so soon as she did this she began to weep. Moreover, all those who abode in the lodge were also affected in the same way; they all wept. Sometime after he had died they set

themselves to work, making a burial-case. Moreover, so soon as they had finished their task they placed his body therein, and also laid it up in a high place.

Sometime after they had laid the burial-case in the high place, the maiden, now a woman-being, gave birth to a child, which was a female, a woman-being. Then the ancient one [elder one, the mother of the maiden] said: "Moreover, what mamer of person is the father of the child?" The maiden said nothing in reply.

The girl child grew rapidly in size. It was not long after this that the girl child was rumning about. Suddenly, it seems, the girl child began to weep. It was impossible to stop her. Five are the number of days, it is said, that the girl child continued to weep. Then the elder one [her grandmother] said: "Do ye show her the burial-ease lying there in the high place." Now, verily, they carried


| $\breve{c}^{11}$ |  |  |
| :---: | :---: | :---: |
| ligi | also |  |


| $\begin{gathered} \text { Cain'g wă' } \\ \text { Some } \\ \text { (tine) } \end{gathered}$ |  | he'tkěn ${ }^{\text {n. }}$ up high | he'hodi' $h$ :ii <br> they it had <br> up-laid | o'nĕ ${ }^{\text {ni }}$ <br> 101 |
| :---: | :---: | :---: | :---: | :---: |
|  | eksă'go'nă', ne" | agoñ'gwe <br> ${ }^{\text {she man- }}$ |  | wàtagoksă <br> she beeame <br> possessed |
| dāičñdă"nhă'. <br> of an infant | $\mathrm{e}^{\prime} \cdot \mathrm{he}{ }^{\text {ns }}$, agoñ'gwe <br> she (is) she (is) man- | $\begin{aligned} & \text { ne" eksin } \\ & \text { the } \\ & \text { she in } \end{aligned}$ | Tho'ge At that | $\begin{array}{cc} \quad \text { ge } & o^{\prime} \text { ne }{ }^{\text {n }} \\ \text { now } \end{array}$ |



| Godi'sno'we' | tea" | gododi ${ }^{\text {cha'die }}$ | ne" |  | Hiiia ${ }^{\text {c }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| she grew rap- | the where | she continned to grow in size | the | she infant (is) | ${ }_{\text {Not }}^{\text {Nitis) }}$ |

 it lasted (long) now at that she run the she infunt. suddenly

 it if pos- she it would Five o many it day it is, she goes atout



It she elder one: "Doore it show \begin{tabular}{c}
the <br>
io lier

$\quad$

there it ense <br>
where
\end{tabular}$\quad$ Now, "ff course

her person, and caused her to stand up high there. Then the girl child looked at it [the corpse], and then she ceased her weeping, and also she was pleased. It was a long time before they withdrew her; and it was not a long time before she again began to weep. Now, verily, they again carried her person, and, moreover, they caused her to stand there again. So, it continued thus, that, day after day, they were in the habit of carrying her, and causing her to stand there on the high place. It was not long before she by her own efforts was able to climb up to the place where lay the dead man-being. Thus it continued to be that she at all times went to view it.
Some time afterward it thus came to pass that she came down again bringing with her what was called an armlet, that being the kind of thing that the dead man-being had clasped about his arms, and, being of the wampum variety. it was, it is said, fine-looking.





The elder one said: "What manner of thing caused thee to remove it?" The girl ehild replied, saying: "My father said: 'Do thou remove it. It will belong to thee. I, verily, am thy parent."" The elder one said nothing more. It continued thus that eustomarily, as soon as another day cane, she would again climb to the place where the burial-ease lay. So, now, verily, all those who were in the lodge paid no more attention to her, merely watching her grow in size. Thus it continued that day after day, at all times, she eontinued to go to see it [the eorpse]. They heard them conversing, it is said, and they also heard, it is told, what the two said. After a while she again came down bringing with her a necklace whieh the dead man-being had had around his neek, and whieh she had removed. She, it is reported, said: "Oh, my grandmother! My father gave this to me: that is the reason I

removed it." So, it is reported, until the time she was full-grown, she was in the habit of going to view the place where lay the burialcase.

At that time, it is reported, her father said: "Now, my child, verily, thou hast grown to maturity. Moreover, I will decide upon the time when thou shalt marry." Some time afterward he said: "Thou must tell thy mother, saying: "My father said to me, "Now thou must marry." Now, moreover, verily, thy mother must make loaves of bread, and it must fill a large forehead-strap-borne basket. Now, moreover, thou must make the bread, and thou must have it ready by the time it becomes night."

Truly, it thus came to pass. It became night, and, verily, the elder one had it all ready. She said: "I have now made it ready. The basket is even now full of bread." Now, the maiden again climbed

up to the place where lay the burial-case. At that time they heard her say: "My mother has now made everything ready." He then replied: "To-morrow thou must depart; early in the morning thou must depart. The distance from here to the place where lives the one whom thou wilt mary is such that thou witt spend one night on thy way thither. And he is a chief whom thou art to marry, and his name, he repute, is He-holds-the-earth."

Now the next day she dressed herself. As soon as she was ready she then again ran, going again to the place where lay the dead man-being. Then she told him, saying: "The time for me to depart has arrived." Now, at that time he told her, saying: "Do thou have courage. Thy pathway throughout its course is terrifying, and the reason that it is so is that many man-beings are traveling to and fro along this pathway. Do not, moreover, speak in reply if

some person, whoever he may be, addresses words to thee. And when thou hast gone one half of thy journey, thou wilt come to a river there, and, moreover, the floating log whereon persons cross is maple. When thou dost arrive there, then thou wilt know that thou art halfway on thy journey. Then thou wilt cross the river, and also pass on. Thou must contimue to travel without interruption. And thou wilt have traveled some time before thou arrivest at the place where thou wilt see a large field. Thou wilt see there, moreover, a lodge standing not far away. And there beside the lodge stands the tree that is called Tooth." Moreorer, the blossoms this standing tree bears cause that world to be light, making it light for the man-beings dwelling there.

"Such, in kind, is the tree that stands beside the lodge. Just there is the lodge of the chief whom thon art to marry, and whom his people call He-holds-the-earth. When thou enterest the lodge, thou wilt look and see there in the middle of the lodge a mat spread, and there, on the mat, the chicf lying down. Now, at that time, thou shalt lay thy basket down at his feet, and, moreover, thou shalt sar: 'Thou and I marry.' He will say nothing. When it becomes night, he who is lying down will spread for thee a skin robe at the foot of his mat. There thou wilt stay over night. As soon as it is day again, he will say: 'Do thou arise; do thou work. Customarily one who lives in the lodge of her spouse works.' Then, verily, thou must work. He will lay down a string of corn ears and, moreover, he will say: 'Thon must soak the corn and thou must make mush.' At that time

 He-it-earth-holds they him designate
the
his people.
The
 6





| Säio'děn'bǔ. | Goio"de" | $g \mathrm{e}^{\mathrm{n} /} \mathrm{s}$ | tca* |  | 'Mho "ge ${ }^{\text {c }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Do thou work. | She works | customarily | the where | she abides with her husband's family.' | At that (time) |
| $\begin{array}{cc} \text { o'nén }^{n} & \text { hi'iă' } \\ \text { now, } & \text { verily } \end{array}$ | $\breve{e}^{n} \text { sāio'dẹe }{ }^{n / \bullet} h$ <br> thou wilt wor | ă’. On |  |  he a string of it will lay down, | $\breve{e}^{\mathrm{n}} \operatorname{hen}^{\mathrm{n}} \mathrm{~h} \mathrm{c}^{\prime \prime}$ <br> he it will say, |

there will be a kettle of water set on the fire. As soon as it boils so that it is terrifying, thou must dissolve the meal therein. It must be boiling when thou makest the mush. He himself will speak, saying: 'Do thon undress thyself.' Moreover, thou mbst there undress thyself. Thou must be in thy bare skin. Nowhere wilt thou have any garment on thy body. Now, the mush will be boiling, and the mush will be hot. Verily, on thy body will fall in places the spattering mush. He will say: 'Thou must not shrink back from it;' moreover, he will have his eyes fixed on thee there. Do not shrink back from it. So soon as it is cooked, thou shalt speak, saying: 'Now, verily, it is cooked; the mush is done.' He will arise, and, moreover, he will remove the kettle, and set it aside. Then, he will say: 'Do thou seat thyself on this side.' Now then, he will say: 'My slaves, ye dogs, do ye two come hither:' They two are


 thou wilt be robed. Now the it mush it will be up-boiling, 6



finelh from There, more- he his two eves will Do not thou shouldst flinell 9

So soon
as $\substack{\text { it will be } \\ \text { cooked }}$ now thou wilt speak $\begin{gathered}\text { thou wilt } \\ \text { say: }\end{gathered}$ 'Now, verily, 10

it is eooked, it mush is eooked.' Thence e e will now more- he will 1

the set kettle, yonder side of it $\begin{gathered}\text { he it willset } \\ \text { down. }\end{gathered} \quad \begin{gathered}\text { At that } \\ \text { (time) }\end{gathered} \quad$ now he it will 12

say: "Do thousit here side of it." At that now he it will say: 13

| 'Agetchenén ${ }^{n \prime}$ 'sho ${ }^{n \prime}$. <br> - My slaves several | dji' ‘hă', | gā'e' | doñde'sne ${ }^{\text {a }}$, | Agwa's | (10) |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | do ye two | Very | $\underset{\substack{\text { thes (w) } \\ \text { two }}}{\text { cen }}$ |

very large. As soon as they two arrive he will say: 'Do ye two lick her body where the mush has fallen on it.' And their tongues are like rough bark. They will lick thee, going over thy whole body, all along thy body. Blood will drop from the places where they will lick. Do not allow thy body to flinch therefrom. As soon as they two finish this task he will say: 'Now, do thou again put on thy raiment.' Now, moreover, thou must again dress thyself completely. At that time he will take the basket and set it down, saying, moreover: 'Now, thou and I marry' So now, so far as they are concerned, the dogs, his slaves they two will eat." That is what the dead manbeing told her.
It became night. Now, at that time, they verily laid their bodies down, and they slept. It became day, and the sun was present yonder when the maiden departed. She bore on her back by the forehead strap her basket of bread. Now, verily, she traveled with a rapid

gait. It was not long before she was surprised to find a river. There beside the river she stood, thinking, verily, "I have lost my way." At that time she started back. Not long afterward those who abode in the home lodge were surprised that the maiden returned. She said: "I believe I have lost my way." Now she laid her basket on the mat, and, moreover, she again ran thither and again climbed up to the place where lay the burial-case. So soon as she reached it she said: "Oh, father! I believe that I lost my way." He said: "What is the character of the land where thou believest that thou lost thy way?" "Where people habitually cross the river, thence I returned," said the maiden. She told him everything. She said: "A maple log floats at the place where they habitually cross the river." He said: "Thou hast not lost thy way." She replied: "I think the distance to the place where the river is seems too short, and that is the reason that I think

that I lost my way." At that time he said: "The place that I had indicated is far. But thy person is so endowed with magic potence, thou hast immanent in thee so much orenda that it causes thy pace to be swift. Verily, so soon as thou arrivest at the river, thou shalt cross it and also shalt pass on." At that time the maiden said: "Oh, my father, now I depart." "So be it. Moreover, do thou take courage," said the dead man-being in reply. Now she again descended and again went into the lodge.

There then she placed her basket of bread on her back by means of the forehead strap. It was early in the morning when she departed. She had been traveling some time when she was surprised to hear a man-heing speak to her, saying: "Do thou stand, verily." She did not stop. Aurora Borealis it was who was talking. She had passed

$$
\text { noñ'we }{ }^{*} \text { hewagnă"don". Ne"tho" gwă", tea" nisāiădat'gon", }
$$

$$
\begin{array}{cccc}
\text { the place } & \text { there I it } \\
\text { indicated. } & \text { There } & \begin{array}{c}
\text { seem- the } \\
\text { ingly }
\end{array} & \begin{array}{c}
\text { so thy body (is) } \\
\text { where }
\end{array} \\
& & \text { magically potent }
\end{array}
$$

$$
\begin{aligned}
& \text { there thou the the place there it river has it eourse thou wilt eross thou } \\
& \text { arrivest }
\end{aligned}
$$

doñgo"dă o"nй"." Tho"ge" ne" eksă'go'nй" wă’ă‘hĕñ": "G’ni‘hă"',

$$
\text { wilt pass on ulso." } \begin{gathered}
\text { At that } \\
\text { (time) }
\end{gathered} \text { the } \begin{gathered}
\text { she } \\
\text { maiden }
\end{gathered} \text { she it said: "My father, }
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$$
\text { now I depart." "So be it. } \begin{gathered}
\text { Do thou } \\
\text { take eourage, }
\end{gathered} \begin{gathered}
\text { more-- } \\
\text { over," }
\end{gathered} \begin{gathered}
\text { so he said } \\
\text { in reply }
\end{gathered} \text { the }
$$

he is dead.

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\begin{aligned}
& \text { inhonsia'iĕn } \\
& \text { thither again }
\end{aligned}
$$

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\begin{aligned}
& \text { thither again } \\
& \text { she went. }
\end{aligned}
$$

ne" o"hä"'gwă
wăoñtge"dat.
it bread she bore it by the fore-

$$
1
$$Hĕn'ge"djŭk

Early in the

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\begin{gathered}
\text { ho it } \\
\text { her } \\
\text { hasket }
\end{gathered}
$$

| $\mathrm{O}^{\prime} \mathrm{nc}{ }^{\text {n' }}$ | ne"tho* | go $\mathrm{Cl}^{\text {b }}$ sii' | ne" | o*hä"'gwă | w:̆'oñtge 'dat. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Now | there | her | the | it bread | she bore it by the fore |
|  |  |  |  |  | head-strap on her back |




on some distance when she heard another man-being talking to her, saying: "I am thankful that thou hast now again returned home, my child. I am hungry, desiring to eat food." She did not stop. It was Fire Dragon of the Storn who was speaking to her. Sometime after she was again at the place where people customarily crossed the river. Now, at that place, he, the chief himself, stood, desiring to try her mind, saying: "Verily, thou shouldst stop here; rerily, thou shouldst rest thyself." She did not stop. She only kept right on, and, moreover, she at once crossed the river there.

She traveled on for some time, and when the sun was at yonder height she was surprised that there was spread out there a large field. At that time, verily, she stopped beside the field. Now she looked, and there in the distance she saw a lodge-the lodge of the

chief. Verily, she went thither. When she arrived there, she looked, and saw that it was true that beside the lodge stood the tree Tooth, whuse flower's were the source of the light of the earth there present, and also of the man-beings dwelling there. Verily, she then entered the lodge. Then she looked, and saw that in the middle of the lodge a mat was spread, and that thereon, moreover, lay the chief. Now, at that time, she removed her pack-strap burden, and theu she also set the basket before him, and then, moreover, she said: "Thou and I marry," and then, moveover, she handed the basket to him. He said nothing. When it became night, he spread a mat for her at the foot of his mat, and then, moreover, he said: "Verily, here thon wilt stay orernight." Moreover, it thus came to pass. Now, verily, they laid their bodies down and they slept.


When day came to them, the chief then said: "Do thou arise. Do thou work, moreover. It is customary for one to work who is living in the family of her spouse. Thou must soak corn. Thou must set a pot on the fire. And when it boils, then thou must put the corn therein. Moreover, when it boits, then thou must again remove the pot, and thou must wash the corn. As soon as thou finishest the task thou must then, moreover, pound it so that it will become meal. Now, moreover, thou must make mush. And during the time that it is boiling thou must continue to stir it; thou must do so without interruption after thou hast begun it. Moreover, do not allow thy body to shrink batk when the mush spatters. That, moreover, will come to pass. Thou must undress thyself when thou workest. I, as to the rest, will say: 'Now it is cooked.'"

At that time he laid down there a string of corn ears, and the corn was white. So now, verily, she began her work. She undressed her-

self, and now, verily, she was naked. She soaked the corn, and she also washed the eorn, and also pounded it, and she also made meal of it, and, now, moreover, in the pot she had set on the fire she made mush. She stirred it withont interruption. But, nerertheless, it was so that she was suffering, for, verily, now there was nothing any where on her body. And now, moreover, it was evident that it was hot, as the mush spattered repeatedly. Some time after she was surprised that the ehief said: "Now, verily, the mush which thou art making is eooked." At that time he arose to a standing position, and also removed the pot, and also set it on yonder side. At that time he said: "Do thou sit here." Now he went forward, and, taking up the basket, he took the bread therefrom, out of her basket. At that time ni"dĭ' dinowiiă'hě̆s, o'nĕn6 hi'iă' ne"tho wă'edjı̆sgoñ'niă'. tis up-boiling, now verily there she mush made.

Heiotgoñdă"'gwľ deiagowěñ'ie'. Ne"tho ne" nā'ie' ni'io't tea" Henee it is without she it stirred. There the that so it is the is) where
interruption

 her bodyon. Now so more thus is it is plain it ishot the $\begin{gathered}\text { over } \\ \text { where }\end{gathered}$ Wasdjı̆sgwadoñ'gwăs. Gaiñ'gwă' nwăoñnis'he’ o'něnє wăoñdiěñ'h ${ }^{\prime}{ }^{\prime}{ }^{\prime}$


Wă'gadjı̌s'gwāik tea" sadjĭsgoñ'ní." Tho ${ }^{6}$ ge ${ }^{6}$ o'něn. doñdă‘ha-

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11
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$$
\begin{aligned}
& \text { At that } \\
& \text { (time) }
\end{aligned}
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arose, he kettle removed also,

12 also. At hat one now wathe he he ne
wă ha' ‘děñ'diă',
13
now he it said:

he basket took up
go'ă'sïgoñ'wă"

 she the eorn washed also she it pounded also she meal finished also

he said: "Now, thou and I marry. Verily, so it seems, thou wert able to do it. Hitherto, no one from anywhere has been able to do it."

Now, at that time he shouted, saying: "My slaves, ye two dogs, do ye two come hither. It is necessary for me that ye two should lick this person abiding here clean of the mush that has fallen on her." Verily, she now looked and saw come forth two dogs, pure white in color and terrifying in size. So now, they two arrived at the place where she was. Now, verily, they two licked her entire body. The tongues of these two were like rough bark. So now, moreorer, in whatsoever places they two licked over and along her body blood exuded therefrom. And the maiden did fortify her mind against it, and so she did not flinch from it. As soon as they two completed the task, then he himself took up sunflower oil, and with that, moreover,

| Wă’oñginia'khe * thou and I marry. | Wă'sgwe'niă Thou wast able to do it do it | hi'iă verily | $\underset{\substack{\text { nige } \\ \text { forsooth } \\ \text { is } \\ \text { is } \\ \text { it. }}}{ }$ |  | $\begin{gathered} \text { gat'kă } \\ \text { any- } \\ \text { where } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |


| de'agog've'nioñ' ${ }^{\text {b }}$ | tca" | nwă'oñnns'he'." |
| :---: | :---: | :---: |
| one has been able to | $\xrightarrow[\text { the }]{\text { there }}$ | so long it has lasted." |




| aetchika'něñt | tho'nén ${ }^{\text {nc }}$ | $e^{\text {'děñ' }}$ |  | $\mathrm{O}^{\prime} \mathrm{nĕ}{ }^{\text {n6 }}$ | hi'ia ${ }^{\text { }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ye two her should lick | here | che | it mush on her has fallen teratively." | Now | verily |

wă'oñtgat'
sle it saw



| wătgnika'něñt | gagwe'gí | eiă'di'ge ${ }^{6 \prime}$ sho ${ }^{n}$ " | Nā'ie' |  | , |
| :---: | :---: | :---: | :---: | :---: | :---: |
| they (z.) it two lieked | it all |  | ${ }_{\text {That }}^{\text {That }}$ | the | their (z.) two |


| ne'tho ${ }^{\text {a }}$ | $n \mathrm{ni}^{\prime} \mathrm{io}^{6} \mathrm{t}$ | tca" | ga'ěñ'wā'. | $\mathrm{Da}^{\prime}$, |  | dï' | dagatkwe ${ }^{\text {nd }}$ so- |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | so it is | the where | it rougl bark | So | now | re- | thence it blood |  |


| doñ'nioñ | tea" | noin'we ${ }^{\text {c }}$ | wă'tgnika'něñt | eia'di'ge ${ }^{\text {b/shon' }}$. | Nā'ie' |
| :---: | :---: | :---: | :---: | :---: | :---: |
| rrs | the where | the plaee | they (z.) two lieked | her body on along. | $\underset{\substack{\text { That } \\ \text { (itis) }}}{ }$ |



he anointed her body. As soon ts he had finished this task he said: "Now, verily, do thou again dress thyself." Now she redressed herself entirely, and she was again clothed with raiment.

When it became night, he spread a mat for her at the foot of his mat. There they two passed two more nights. And the third day that came to them the chief said to her: "Now thou must again depart. Thou must go again to the place whence thou didst start." Then he took up the basket of the maiden and went then to the place where he kept meat of all kinds hanging in quarters. Now, rerily, he took up the dried meat of the spotted fawn and put it into her basket. All the various kinds of meat he placed therein. As soon as the basket was full, he shook the basket to cause its contents to settle down. When he did shake it, there was seemingly just a little room left in it. Seven times, it is said, he shook the basket before he completely

filled it. At that time he said: "Now thou must again depart. Do not, moreover, stand anywhere in the course of thy path homeward. And, moreover, when thou dost arrive there, thou must tell the people dwelling there that they, one and all, must remove the roofs from their several lodges. By and by it will becone night and I will send that which is called corn. In so far as that thing is concerned, that is what man-beings will next in time live upon. This kind of thing will contimue to be in existence for all time." At that time he took up the basket and also said: "Now, verily, thou shouldst bear it on thy back by means of the forehead strap." Now, at that time she departed.

Now again, as she traveled, she heard a man-being talking, saying: "Come, do thou stand." She did not stand. It was Aurora Borealis who was talking to her. She traveled on for some time. when she again

heard a man-being talking, saying: "Verily, do thou stand. Now, verily thou hast returned home. I am hungry. My child, I desire to eat food." She did not stop. In so far as he is eoncerned, it was White Fire Dragon who was talking to her. Now, she again arrived where she had crossed the river, and there again, heside the river, she stood. Now, moreover, she heard again a man-being saying: "Do thou stand. I desire that thon and I should converse together." She did not stop. It was the chief who was standing here seeking to tempt her mind. At once she crossed the river on the floating maple log. It was just midday when she again arrised at the place whenee she departed, and she went directly into the lodge. As soon as she laid her burden down, she said: "Oh, my mother, now, hither I have returned." She, the elder one, spoke, saying: "I am thankful that

thou hast arrived in peace." Then the maiden again spoke and said: "Ye severally must make preparations by severally removing the roofs from your lodges. There is an abundance of meat and corn also coming, as animals do come, when it becomes night, by and by." And at that time she at once went to the place where lay the burialcase of her dead father, and now, moreover, she again climbed up there. As soon as she reached the place, she said: "Oh, my father, I have now returned home." He said, in replying: " How fared it? Was he willing to do it!" she said: "He was willing." Now, again, he spoke, saying: "I am thankful that thou wast able to do it. as it seems. Thou art fortunate in this matter. And it seems, moreover, good, that thou shouldst. perhaps, at once return home, for the reason, verily, that the chicf is immune to magic potence, that nothing can affect the orenda of Chief-who-has-the-standing-tree-called-Tooth, and whom some call He-hold--the-earth."


At that time all those who dwelt there undid their lodges by removing the roofs from all severally. Then, verily, when it became night, as soon as the darkness became settled, they heard the sounds made by the raining of corn, which fell in the lodges. Then they went to sleep. When it became day, they looked and saw that in the lodges corn lay piled up, quite filling them. Now, moreover, their chief naid: "Do ye severally repair your lodges. And, moreover, ye must care for it and greatly esteem it; the thing has visited our village which He-who-has-the-standing-tree-called-Tooth has given you to share with him."

In a short time they were surprised, seemingly, that the maiden was nowhere to be found. She had again departed. They knew that she had again gone to the place where stood the lodge of the chief

who was her consort. Now, verily, in reference to him he himself in turn was surprised to see her return home. When it became day again, the chief noticed that seemingly it appeared that the life of the maiden, his spouse, had changed." Thus it was that, day after day and night after night, he still considered the matter. The conditions were such that he did not know what thing was the canse that it [his spouse's condition] was thus, so he merely marveled that it had thus come to pass.

It is certain, it is said, that it formed itself there where they two conversed, where they two breathed together; that, verily, his breath is what the maiden caught, and it is that which was the cause of the change in the life of the maiden. And, moreover, that is the child to which she gave birth. And since then, from the time that he [her

"The expression "life has changed" is employed usually as a euphemism for "is pregnant."
spouse] let man-beings go here on the earth, the manner in which manbeings are paired has transformed itself. This is the manner in which it will continue to be; this will be its manner of being done, whereby it will be possible for the man-beings dwelling on the earth to produce ohwachiras of posterity. Thus, too, it seems, it came to pass in regard to the beast-world, their bodies all shared in the change of the manner in which they would be able to produce ohwachiras of offspring here on the earth.

Thus it was that, without interruption, it became more and more evident that the maiden would gire birth to a child. At that time the chief became convinced of it, and he said: "What is the matter that thy life has changed? Verily, thou art about to have a child. Never, moreover, have thon and I shared the same mat. I believe that it is not I who is the cause that thy life has changed. Dost thou thyself

know who it is?" She did not understand the meaning of what he said.

Now, at that time, the ehief began to be ill. Suddenly, it seems, she herself now beeame aware that her life had ehanged. Then she said, addressing the chief: "I believe that there is, perhaps, something the matter, as my life at the present time is not at all pleasant." He did not make any reply. Not long thereafter she again said: " $\mathrm{M}_{\mathrm{y}}$ thoughts are not at all pleasant." Again he said nothing. So it continued thus that she did nothing but consider the matter, believing that something must be the matter, perhaps, that the condition of her body was such as it was. It became more and more evident that she was pregnant. Now it was evident that she was big with child.
Sometime afterward she again resolved to ask him still once more. She said: "As a matter of faet, there must be something the matter,

perhaps, that my hody is in this condition. And the thoughts of my mind are not at all pleasant. One would think that there can be no doubt that, seemingly, something is about to happen, because my life is so exceedingly unpleasant." Again he said nothing. When it became night, then, verily, they laid their bodies down and they slept. So now, verily, he there repeatedly considered the matter. Now, in so far as the maiden was concerned, she still did not understand what was about to take place from the changed condition of her body. Sometime afterward the chief spoke to her, saying: "As a matter of fact, a man-being (or rather woman-being) will arrive, and she is a manbeing child, and thou monst care for her. She will grow in size rapidly, and her name is Zephyrs." " The maiden said nothing, for the reason that she did not understand what her spouse told her.


[^69]Not long afterwatd, then, verily, she gave birth to a child. She paid no attention to it. The only thing she did was to lay it on the place where the chicf customarily passed the night. After ten days' time she again took it up therefrom.
Sometime afterward the chief became aware that he began to be ill. His suffering became more and more severe. All the persons dwelling in the rillage came to risit him. There he lay, and sang, saying: "Yc must pull up this standing tree that is called Tooth. The earth will be torn open, and there beside the abyss ye must lay me down. And, moreorer, there where my head lies, there must sit my spouse." That is what he, the Ancient One, sang. Then the manbeings dwelling there became aware that their chief was ill.


Now, verily, all came to visit him. They questioned him repeatedly, seeking to divine his Word, what thing, seemingly, was needful for him. what kind of thing, seemingly, he expected through a dream. Thus, day after day, it continued that they sought to find his Word. After a time the female man-being ehild was of fair size. She was then able to rum about from place to place. But it thus continued that they kept on seeking to dirine his Word. After a while, seemingly, one of the persons succeeded in finding his Word, and he said: "Now, perhaps, I myself have divined the Word of him, the ordure, our chief." He who is called Aurora Borealis said this. And when he told the chief what manner of thing his soul crared, the chief was very pleased. And when he divined his W ord, he said: "Is it not this that thy dream is saying, namely, that it is direful, if it so be that no person should divine thy Word, and that it will become still more

direful? And yet, moreover, it is not certain that this is what thy soul craves; that its eyes may have seen thy standing tree, Tooth as to kind, pulled up, in order that the earth be torn open, and that there be an abyss that pierces the earth, and, moreover, that there beside the abyss one shall lay thee, and at thy head thy spouse shall be seated with her legs hanging down into the abyss." At that time the chief said: "Ku"." I am thankful! Now, verily, the whole matter has been fulfilled by thy divining my Word."

During this time [the duration of the dream feast], a large body of man-beings, ${ }^{b}$ paid a risit there. He, the Deer, paid a visit there. He, the Great-horned Deer [the Buck], paid a visit there. He, the Spotted Fawn, paid a risit, and was there seeking to divine the Word of the


| awadon'hwẽndjiadet'hā it it telf earth shonld cause to gape | aiio suaděn'h hă |  |
| :---: | :---: | :---: |
|  | it eave should | just it earth should transpierce. |


| Nā'ie' | ne ${ }^{\prime}$ | ne"tho ${ }^{\text {e }}$ | dĭ' | o'sadagên ${ }^{\text {chia'dă }}$ | hěniesěñdã'gaiñ | e"tho* |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\underset{\substack{\text { That } \\ \text { (it is) }}}{\text { a }}$ | the | there | $\underset{\substack{\text { more- } \\ \text { over }}}{\text { mater }}$ | it cave edge of | vill | there |






| Nä'ie' | ne" | geñ̃dio gowa'nén ${ }^{\text {a }}$ | hodigwat'hwǐ* | tea ${ }^{\text {² }}$ | nwăoñni'she'. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\substack{\text { That } \\ \text { it is }}_{\text {at }}$ | the | it body of persons | they (m.) risited | whee | long it lasted. |

| $\underset{\substack{\text { Deer }}}{\text { Skēñoñdon" }}$ | wăhagwat'hwă'. he risited (there). | Onă`gačindoncgónă It has great horns | Skěinnoûdo ${ }^{\text {Den }}$ |
| :---: | :---: | :---: | :---: |

| wăhagwat'hwă'. <br> he risited <br> (there | Tcǐsdă thičñ' hặ Spotten Fawn | w:ihagwat'hwă', <br> he visited | ne ${ }^{\text {th }}$ ho ${ }^{6}$ <br> there |
| :---: | :---: | :---: | :---: |




[^70]chief. He, the Bear, also paid a visit. Now, he also, the Bearer, paid a visit. And he, the Wind-who-moves-about-from-place-to-place, paid a visit also. And now, also, he, the Daylight, pait a visit. Now she also, the Night, the Thick Night, paid a visit. Now also she, the Star, paid a visit. Now, also, he, the Light-orb [the sun] paid a visit. And, too, the Water-of-springs, she paid a risit. Now, also, she, the Corn, paid a visit. Now, also, she, the Bean, paid a risit. Now, also, she, the Squash, paid a visit. Now, also, she, the Sunflower, paid a visit. Now, also, the Fire Dragon with the body of pure white color, he paid a visit. Now, also, the Rattle paid a visit. Now, also, he, the Red Meteor, paid a visit. Now, also, he, the Spring Wind, paid a visit. Now, also, he, the Great'Turtle, paid a visit. Now, also, he, the Otter, paid a risit. Now, also, he, the Wolf, paid

a risit. Now, also, he, the Duck, paid a visit. Now, also, he, the Fresh Water, paid a visit. Now, also, he, the Yellowhammer, paid a visit. Now, also, he, the Medieine, paid a visit. Moreover, all things that are produced by themselves, that produce themselves, that is, the animals, and, next to them, the small animals, the flying things, of every species, all paid a visit. Now, sometime afterward, he, the Aurora Borealis, paid a visit. And, verily, he it was who divined the Word of the chief. Verily, he said: "The great standing tree, the Tooth, must be uprooted. And wherever it has a root there severally they must stand, and they must severally lay hold of each sereral root. And just then, and not before, shall they be able to uproot the standing tree. The earth will be torn open. Moreover, all persons must look therein. And there, beside the abyss, they

must lay thee. Now, moreover, there at thy head she with whom thou dost abide must sit with her legs hanging down into the abyss." Then, verily, the chief replied, saying: "Ku". I ann thankful that ye have divined my word. Now all things have been fultilled."

Verily, it did thus come to pass that they did uproot the standing tree, Tooth, that grew beside the lodge of the chief. And all the inhabitants of that place came thither with the intention of looking into the abyss. It did thus come to pass that everyone that dwelt there did look therein. At that time the chief then said, addressing his spouse: "Now, too, let us two look into the abyss. Thou must bear her, Zephyrs, on thy back. Thou must wrap thyself with care." Now, moreover, he gave to her three ears of corn, and, next in

order, the dried meat of the spotted fawn, and now, moreover, he said: "This ye two will have for provision." Now he also broke off three fagots of wood, which, moreover, he gave to her. She put them into her bosom, under her garments. Then, verily, they went thither to the place. They arrised at the spot where the earth wastorn up, and then he said: "Do thou sit here." There, verily, she sat where the earth was broken off. There she hung both legs severally into the abyss. Now, in so far as he was concerned, he, the chief, was looking into the abyss, and there his spouse sat. Now, at that time he upraised himself, and said: "Do thou look hence into the abyss." Then she did in this manner, holding with her teeth her robe with its burden. Moreover, there along the edge of the abyss she seized with her hands, and, now, moreover, she bent over to look. He said: "Do

thon bend much and plainly over." So she did do thus. As soon as she bent forward very much he seized the nape of her neck and pushed her into the abyss. Verily, now at that time she fell down thence. Now, verily, the man-being child and the man-being mother of it became one again. When she arrived on earth, the child was again born. At that time the chief himself arose and said, moreover: - Now, verily, I have become myself again; I am well again. Now, moreover, do ye again set up the tree."

And the chief was jealous, and that was the cause that he became ill. He was jealous of Aurora Borealis, and, in the next place, of the Fire Dragon with the pure white body. This latter gave him much mental trouble during the time that he, the chief, whom some call He-holds-the-earth, was married.


So now, verily, her hody continued to fall. Her body was falling some time before it emerged. Now, she was surprised, seemingly, that there was light below, of a blue color. She looked, and there seemed to be a lake at the spot toward which she was falling. There was nowhere any earth. There she saw many ducks on the lake [sea], whereon they, being waterfowl of all their kinds, floated severally about. Without interruption the body of the woman-being continued to fall.
Now, at that time the waterfowl, called the Loon shouted, saying: "Do ye look, a woman-being is coming in the depths of the water. her body is floating up hither." They said: "Verily, it is even so." Now, verily, in a short time the waterfowl [duck] called Bittern [Whose eyes-are-ever-gazing-upward], said: "It is true that ye believe that her body is floating up from the depths of the water. Do ye,

howerer, look upward." All looked upward, and all, moreover, said: "Verily, it in true." Ther next said: " What manner of thing shall we do?" One of the persons said: "It seems, then, that there must be land in the depths of the mater." At that time the Loon said: " Moreorer, let us first seek to find someone who will be able to bear, the earth on his back by means of the forehead pack strap." All said, seemingly: "I shall be able to bear the earth by means of the forehead pack strap." He replied: "Let us just try: it seems best." Otter, it seems, was the first to make the attempt. As soon, then, as a large bulk of them mounted on his back, verily, he sank. In so far as he was concerned, he was not able to do anything. And they suid: "Thou camst do nothing." Now many of them made the attempt. All failed to do it. Then he, the Carapace, the Great Turtle,

said: "Next in turn, let me make the attempt." Then, verily, a large bulk of them mounted on his back. He was able to bear them all on his back. Then they said: "He it is who will he able to bear the earth on his back." Now, at that time, they said: "Do ye go to seek earth in the depths of the water." There were many of them who were not able to obtain earth. After a while it seems that he, the Muskrat, also made the attempt. He was able to get the ground thence. Muskrat is he who found earth. When he came up again, he rose dead, holding earth in his paws, and earth was also in his mouth. They placed all of it upon the carapace of the Turtle. Now their chief said: "Do ye hurry, and hasten yourselves in your work." Now a large momber of muskrats contimued to dive into the depths of the water. As fast as they floated to the surface they placed the earth on the


[^71]$b$ This is a dual form used for a plural.
back of the Turtle. Sometime thereafter then, verily, they finished covering the carapace with earth. Now, at that time, the carapace began to grow, and the earth with which they had covered it became the Earth.

Now, also, they said: "Now, moreover, do ye go to see and to meet this woman-being whose body is falling hither." At once a great number of the large waterfowl Hew hence, joining their bodies together, and there on their joined bodies her person impinged. Then slowly the large waterfowl descended, and also they placed the woman-being there on the carapace. Moreover, the carapace had now grown much in size. Now, moreover, they said: "Now, verily, we are pleased that we have attended to the female man-being who has appeared in the same place with us."
hodi'he'do''hwi'.

14

$$
\begin{aligned}
& \text { that the in acertain we (and she) have appeared." } \\
& \text { (it ix) }
\end{aligned}
$$

The next day came, and she looked and saw lying there a deer, also fire and firebrands, and also a heap of wood, all of whieh had been brought thither. At that time she kindled a fire, using for this purpose the three fagots which she had slipt into the bosom of her garment, and of which he [the ehief] had said: "Ye two will have this for a provision." At that time she laid hands on the body of the deer. She broke up its body, some of which she roasted for food. She passed three nights there, when she again gave birth, again becoming possessed of a child. The child was a female. That, verily, was the rebirth of Zephyrs. Now the elder woman-being ereeted a booth, thatching it with grasses. There the mother and danghter remained, one being the parent of the other.

Now the earth was large and was continually inereasing in size. It was now plain where the river courses would be. There they two remained, the mother attending to the ehild, who increased in size

very rapidly. Some time afterward she then became a maiden. And they two continued to remain there.

After a while, seemingly, the elder woman-being heard her ottspring talking with someone. Now, verily, the elder woman-being was thinking about this matter, wondering: "Whence may it he that a man-being could come to talk with her." She addressed her, saying: "Who is it, moreover, who risits thee?" The maiden said nothing in reply. As soon as it became night and the darkness was complete, he, the man-being, again arrived. And just as the day dawned the elder woman-being heard him say: "I will not come again." Verily he then departed.

Not long after this the life of the maiden was changed. Noreover, it became evident that she was about to give birth to a child. After


a time, when, seemingly, the maiden had only a few more dars to go, she was surprised, seemingly, to hear two male math-heings talking in her body. One of the persons said: "There is no doubt that the time when man-beings will emerge to be born has now arrived." The other person replied: "Where, moreover, does it seem that thou and I should emerge?" He replied, saying: "This wat. moreover, thou and I will go." Now, again, one of them spoke, saying: "It is too far. This way, right here, is near, and, seemingly. quite transparent." At that time he added, saying: "Do thou go then; so be it." Now, he started and was born. The child was a male. Then, so far as the other was concerned, he came out here through her armpit. And now, verily, he killed his mother. The grandmother saw that the child that was born first was unsurpassedly fine-looking.


At that time she asked, saying: "Who, moreover, killed your mother, now dead!" Now, he who did it replied, saying: "This one here." Verily, he told a falsehood. Now, the elder woman-being seized the other one by the arm and cast his body far beyond, where he fell annong grasses. Now, she there attended to the other one. It is said that they grew rapidly in size. After a while, seemingly, he was in the habit of going out, and there running about from place to place. In like manner they two grew rery rapidly.
Now the child who lived out of doors kept saying: "Do thou tell thy grandmother, who, verily, is grandmother to us two, that she should make me a bow, and ako an arrow." Now, verily, he told her what manner of thing the other person desired. The only

result was that she got angry, saying: "Never will I make him a bow and also an arrow. It is he, rerily, who killed her who was the mother of yon two."

It continued thus that the two brothers played together. They were in the habit of making a circuit of the island " floating there. And, as rapidly as they made a cireuit of it, so rapidly did the earth increase in size. When, it is said, the island had grown to a great size, then he who had heen cast out of doors kept saying: "Manbeings ${ }^{b}$ are about to dwell here." The other person kept saying: "What manner of thing is the reason that thou dost keep saying, 'Man-beings are about to dwell here?'" He said: "'The reason that I say that is that it is a matter of fact that man-beings are about to


[^72]dwell here. And it is I, the Sapling, who say it." So then, this other person hegam to say: " I shall be called Flint."

When they two had nearly grown to maturity, it is said, then he, the Sapling, made himself a lodge, erecting a booth. And when he had completed it, he departed. He went to hunt. He shot at a bird, but he missed it, and his arrow fell into the water. Verily, he then resolsed: "I will take it out of the water again." Now, there into the water he cast limself, plunging into the water. He was surprised that, seemingly, he fell there beside a doorway. Then, moreorer, from the inside of the lodge a man-being spoke to him, saying: "Do thou cone in, my child; I am thankful that thou hast visited my lodge. I purposely caused thee to visit the place where my lodge stands. And the reason that it has thus come to pass is that my mind was so aftected by what thy grandmother keeps saying. And, moreover, I

desired to give thee a bow and also an arrow which thou dost need, and which, by and by, thy brother will see, and then he will ask, saying: 'Whence didst thou get this?' Thou must say: 'My father has given it to me.'" Now, furthermore, he gave both to him. At this time he bestowed another thing; it was corn. At that time he said: "This corn, as soon as thou arrivest at home, thou must at once roast for food for thyself; and at that time thou must continue to say: 'In this manner will it continue to be that man-beings, who are about to dwell here on the eartl, will be in the habit of eating it.' Thy brother will visit thy lodge, and at that time Flint will ask, saying: 'Whence didst thou get this kind of thing?' Thou must say, moreover: 'My father has given it to me.' "
Moreover, it did thus come to pass when he arrived at his home. At that time he husked the ear of corn and also laid it beside the fire;

he roasted the ear. So soon as it became hot, it emitted an odor which was exceedingly appetizing. They, his grandmother's people, smelled it. She said: "Flint, do thou go to see what the Sapling is roasting for himself, moreover." He, the Flint, arose at once, and he ran thither. When he arrived there, he said: "Whence didst thou get that which thou art roasting for thyself?" He said in replying: "It is a matter of fact that my father gave it to me. And it is this that the man-beings who are about to dwell here on the earth will be in the habit of eating." Then Flint said: "My grandmother has said that thou shouldst share some with her." The Sapling replied, saying: "I am not able to do it, and the reason is that she desires to spoil it all. I desire, as a matter of fact, that man-beings, who are about to dwell here on the earth shall continue to eat it, and that it shall continue to be good." Then, verily, the lad returned home. When

he arrived there, he told what he had learned, saying: "The Sapling. did not consent to it." She arose at once and went thither to the place where the booth of the Sapling stood. Arriving there, she said: "What kind of thing is it that thou art roasting for thyself?" He replied, saying: "It is corn." She demanded: "Where is the place whence thou didst get it?" He said: "My father gave it to me. And it is this which the man-beings who are about to dwell here on this earth will continue to eat." She said: "Thou shouldst give a share, verily, to me." He answered and said: "I ean not do it, and the reason is that thou desirest to spoil it." At that time she said: "It is but a small matter, and thou shouldst pluck off a single grain of corn and give it to me." He said: "I can not do it." She said: "It is a small matter, if thou shouldst give me the nubbin end of the corn ear." He said: "I can not do it. I desire that it shall all be

good, so that the matheings shall continue to eat it." At that time she hecame angry and she came forward, and, taking up some ashes, cast them on what he was roasting, and that was now spoiled. She said: "Thou desirest that that which they will continue to eat shall continue to be goot. There, it will now be different." Thrice did she repeat the act that spoiled it. Then the Sapling said: "Why hast thou done that deed?"

Now again, another thing: he had a pot wherein he heated water. Then from the ear of corn he plucked a single grain of corn, and he put it therein, saying: "Thus shall man-beings be in the habit of doing when they prepare food for eating." Then he placed the corn in a mortar, and also said: "In this mannes also shall man-beings, who are about to dwell here on the earth, continue to do." Then he took from its stand the pounder and brought it down once, and it became

finished perfect meal. He said: "Thus it shall continue to be; thus shall be the manner of preparing meal among the man-beings who are about to dwell here on the earth." At that time she, his grandmother, came forward and heard what he was saying. She arrived there, and said: "Sapling, thou desirest that the man-beings shall be exceedingly happy." She went forward, and, taking off the pot from the fire, put ashes into the hot water. Now, moreover, she took the ear of corn, shelled it, and put the corn into the hot water. She said: "This, moreover, shall be their manner of doing, the method of the man-beings." At that time the Sapling said: "Thou shouldst not do thus." His grandmother did not obey him. Thence, it is said, originated the evil that canses persons customarily to speak ill when

they prepare food. And, it is said, she stated her wish, thus: "This, as a matter of fact, shall be the manner of doing of the man-beings." It so continued to be. The Sapling kept saying: "The way in which thou hast done this is not good, for I desire that the man-beings shall be excecdingly happy, who are about to dwell here on this earth."

Now at that time the Sapling traveled about over the earth. Now there was a large expanse of earth visiblc. There was a mountain range, visible river courses, and a high clay bank, near which he passed. Now, verily, he there pondered many times. Then he made the bodies of the small game, the bodies of birds. All were in twos, and were mated, in all the clans [kinds] of birds. The volume of the sound made by all the various kinds of bird voices as they talked together was terrifying. And the Sapling kept saying: "Thus this shall continue to be, whereby the man-beings shall habitually be made

happy." And now he made the bodies of the large game animals. He fimished the bodies of two deer, and the two were mates. "There, that is sufficient to fill the whole earth," he said. He made all the various kinds of animals severally. All were in twos, and they, each pair, were mates [male and female].
At that time he, the Sapling, again traveled. Now the earth had grown to a very great size, and eontinued to grow. So now Flint became aware that the animals were ranging about. After a while then Flint concealed all the bodies of the animals. There in the high mountain was a roek cavern whereinto he drove all the animals. And then he closed it with a stone. Then Sapling became aware that the animals no longer roamed from place to plaee. Now, at this time, he again traveled over the entire earth. He saw on this side a

mountain range. He went thither, and he arrived where the opening of the cavern was. And he then took up the great stone and opened it again. Now, he looked therein and saw that the animals abode in that place. "Do ye again go out of this place," he said. Then they came out again. And it was done rery quickly. And all those that fly took the lead in coming out. At that time they, his grandmother and Flint, also noticed that the animals again became numerous. And then Flint ran, running to the place where the rock cavern was. He reached the place while they were still coming out. And he, by at once pulling down the stone again, stopped up the cavern. Verily, some of them failed, and they did not get out, and at the present time they are still there. And it came to pass that they

were changed, becoming otgon. [malefic], and the reason that it thus eame to pass is that some customarily put forth their orenda for the purpose of ending the days of the man-beings; and, moreover, they still haunt the inside of the earth.
At this time Sapling again traveled about. Then he was surprised that, seemingly, a man-being came toward him, and his name was Hadui'. They two met. The man-being Hadu'i, said: "Where is the place whence thou dost come?" The Sapling said: "I am going about viewing the carth here present. Where is the place whence thou dost come?" Hadu'i' said: "From here do I come. I am


[^73]going about traveling. Verily, it is I who am the master of the earth here present." At that time the Sapling said: "I it is who finished the earth here present. If it so be that thou art the master of the earth here present, art thou able to cause yonder mountain to move itself hither?" Hadu'i' said: "I can do it." At that time he said: "Do thou, yonder mountain, come hither." Then they two faced about. Sometime afterward they two now faced back, and, moreover, saw that the mountain had not changed its position. At that time Sapling said: "Verily, thou art not the master of the earth here present. I, as matter of fact, am master of it. Now, next in time, I will speak." He said: "Do thou, yonder mountain, come hither." Now they two faced about. And as quickly as they two faced about again the mountain stood at their backs, The Sapling said: "What sayst thou? Am I master of it?" Then Hadu'i' said: "It

is true that thou art master of it. Thou hast finished the earth here present. Thou shouldst have pity on me that I may be suffered to live. I will aid thee, moreover. Verily, thou dost keep saying: ' Man-beings are about to dwell here on the earth here present.' In this matter, moreover, will it continue to be that I shall aid and assist thee. Moreover, I will aid the man-beings. Seeing that my body is full of orenda and even otgon, as a matter of fact, by and by the manbeings will be affected with mysterious ills. Moreover, it will be possible for them to recover if they will make an imitation of the form of my body. I, who was the first to travel over the earth here present, infected it with my orenda. And, verily, it will magically conform itself to [be marked by] the lineaments of my body. Moreover, this will come to pass. If it so be that a man-being becomes ill by the contagion of this magic power, it is here that I will aid thee. And the man-beings will then live in contentment. And,

moreover, they must customarily greet me by a kinship term, saying: 'my Grandfather.' And when, customarily, the man-beings speak of me they must customarily say: 'our Grandfather'; thereby must they designate me. And I shall call the man-beings on my part by a kinship term, saying: 'my Grandehildren.' And they must make customarily a thing of wood which shall be in my likeness, being wrought thus, that will enable them to go to the several lodges, and, moreover, they who thus personate me shall be hondu'i'." They must employ for this purpose tobacco [native tobacco]. It will be able to cause those who have become ill to recover. There, moreover, I shall take up my abode where the ground is wild and rough, and where, too, there are rock cliffs. Moreover, nothing at all obstructs me [in seeing and hearing or power]. So long as the earth shall be extant so long shall I remain there. I shall

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| any- thing | $\begin{aligned} & \text { more- } \\ & \text { over } \end{aligned}$ | it me obstructs (my sight, hearing, or power). | That <br> (itis) | more- <br> orer | the where | so it will last |


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continue to aid the man-beings for that length of time." There, it is said, is the place wherein all kinds of deadly ills begot themselvesfevers, consumptions, headaches-all were caused by Hadu'i.

Now, at that time the Sapling again traveled. He again arrived at his lodge, and he marveled that his grandmother was angry. She took from its fastening the head, which had been cut off, of his-the Sapling's-dead mother, and she carried it away also. She bore the head away with her. When she had prepared the head, it became the sun, and the body of flesh became the nocturnal light orb. As soon as it became night, the elder woman-being and, next in order, Flint departed, going in an easterly direction. At the end of three days, then said Sapling: "I will go after the diurnal orl of

light. Verily, it is not good that the human beings who are about to dwell here on the earth should continue to go about in darkness. Who, moreover, will accompany me?" A man-being, named Fisher, spoke in reply, saying: "I will accompany thee." A manbeing, another person, said: "I, too, will accompany thee." It was the Raccoon who said this. Another man-being, whose name is Fox, said: "I, too, will accompany thee." There were several others, sereral man-beings, who, one and all, volunteered to aid Sapling. At that time Sapling said: "Moreover, who will work at the canoe?" The Beaver said: "Verily, I will make it." Another man-being, whose name was Yellowhammer, said: "I will make the hollow of it." At that time there were several others who also gave their attention to it. And then they worked at it, making

the eanoc. There Sapling kept saying: "Do ye make haste in the work." In a short time, now, rerily, they finished it, making a canoe. Quickly, now, they prepared themselves. At that time they launehed the eanoe into the water. Then Sapling said: "Moreover, who shall steer the canoe?" Beaver said: "I will volunteer to do it." Otter also said: "I, too." Now they went aboard and departed. Then Sapling said: "In steering the canoe, thou must guide it eastward." Now, it ran swiftly as they paddled it onward. It was night; it was in thick darkness; in black night they propelled the eanoe onward. After a while, seemingly, they then looked and saw that daylight was approaching. And when they arrived at the place whither they were going it was then daylight. They saw that there

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| ioñ'niă'. | Ne'tho ${ }^{\text {6 }}$ | i ${ }^{\text {ha'd }}{ }^{\text {n }} \mathrm{k}$ | ne ${ }^{\prime \prime}$ | Odėñdoñni'á': | $\mathrm{u}^{\prime \prime}$, |
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| the canoe. | There | he it kept siying | the | It Sapling: | 'Come, |








| tea" | č"señniděñ'wă"dă'." | O'nén ${ }^{\text {c }}$ | hi'iă | deioís'dădi ${ }^{\text {b }}$ | tca" | hodiga- |
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| $\begin{gathered} \text { thic } \\ \text { wher } \end{gathered}$ | thou wilt guide the |  |  | it is runni | the | they (m.) |

we'ha'die’. Deio"'gas, deioda‘soñdāi'gon', o'soñdagoñwă‘shon'gowa'-
go along row- It is night,
ing. $\begin{gathered}\text { two it darkness to dark- } \\ \text { ness (pitch-dark) is joined, }\end{gathered}$ it blackness (night) in along great 12



was there, seemingly, an island, and they saw that the trees standing there were very tall, and that some of them were bent over, inelining far over the sea, and there in the water where the tree tops ended the canoe stopped. Then Sapling said: "Moreover, who will go to unfasten the light orb [the sum] from its bonds yonder on the tree top?" Then Fisher said: "I will volunteer." Then Fox said: "I, too [will volnnteer]." At that time Fisher climbed up high, and passed along above [the ground]. He crossed from tree to tree, going along on the branches, making his way to the place where the diurnal light orb was made fast; thither he was making his eourse. But, in regard to Fox, he ran along below on the ground. In a short time Fisher then arrived at the place where the diurnal light orb was made fast.


At once he repeatedly bit that by which it was secured, and, severing it, he removed the sun. Now, moreover, he cast it down to his friend, Fox, who stood near beneath him. He caught it, and now, moreover, they two fled. When they two had run half the way across the island, then Flint's grandmother noticed what had taken place. She became angry and wept, saying: "What, moreover, is the reason, O Sapling, that thou hast done this in this manner?" Then she, the elder woman-being, arose at once, and began to run in pursuit of the two persons. Fox ran along on the ground and, in turn. Fisher crossed from tree to tree, running along the branches. Now, the elder woman-being was ruming close behind, and now she was about to sieze Fox, who now, moreover, being wearied, cast the sun up above. Then Fisher caught it. Now, next

in turn, she pursued him. And he, next in turn, when she came running elose behind him and was about to seize him, being in his turn wearied, cast the sun down, and then Fox in his turn caught it. Thus, verily, it continued. Fisher was in the lead, and he at once boarded the canoe. And close behind him was Fox, holding the sun in his mouth, and he, too, at once got aboard of the eanoe. Now, moreover, the canoe withdrew, and, turning around, it started away. Now, moreover, it was running far away as they paddled it onward when the elder woman-being arrived at the shore of the sea; and she there shouted, saying: "O Sapling, what, moreover, is the reason that thou hast done this thing in this manner? Thou shouldst pity me, verily, in that the sun should continue to pass thenee, going thither [in its orbit, giving day and night]." He, Sapling, said noth-

ing. She said this three times in suceession. Now she exelaimed: "O thou, Fox, effuse thy orenda to cause the sun to pass habitually thenee, going thither." Fox said nothing in reply. Thriee, too, did she repeat this speeeh. Now, again, she said: "O thou, Fisher, effuse thy orenda whereby thou eanst make the sun to pass habitually thence, going thither." He said nothing. Thriee did she repeat this saying. And all the other persons, too, said nothing. She said: "O thou, Beaver, thou shouldst at this time have pity on me; do thou effuse thy orenda; moreover, thou hast the potenee to eause the sun to pass thenee habitually, going thither." He said nothing. Thriee, too, did she repeat this speeeh. All said nothing. Now, there was there a person, a man-being, whose orenda she overmatched. She said: "O thou, Otter, thou art a fine person, do thou effuse thy orenda

wherein thou hast the potence to ordain [forethink] that the sun thence shall come to pass, going thither." He said: "So be it." Instantly accompanying it was her word, saying: "I am thankful." At that time Beaver said: "Now, verily, it is a direful thing, wherein thou hast done wrong." And now, moreover, he took the paddle out of the water and with it he struck poor Otter in the face, flattening his face thereby.

As soon as they arrived home Sapling said: "I am pleased that now we have returned well and successful. Now, I will fasten it up high; on high shall the sun remain fixed hereafter." At that time he then said: "Now, the sun shall pass over the sky that is visible. It shall continue to give light to the earth." Thus, moreorer, it too came to pass in regard to the nocturnal light orb [the moon].


Now, Sapling traveled over the risible earth. There was in one place a river eourse, and he stood beside the river. There he went to work and he formed the body of a human man-being." He eompleted his body and then he blew into his mouth. Thereupon, the human man-being became alive. Sapling said: "Thou thyself ownest all this that is made." So, now, verily, he repeatedly looked around, and there was there a grove whose fruit was large, and there, moreorer, the sound of the birds talking together was great. So, now came another thing. Thus, in his eondition he watched him, and he thought that, perhaps, he was lonesome. Now, verily, he again went to work, and he made another human man-being. Next in time he made a human woman-being. He eompleted her body, and then he blew into her mouth, and then she, too, beeame alive. He said, addressing the male man-being: " Now, this woman-being and thou
Now hetraveled the it earth is present the It Sapling.


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| $o^{\prime}$ něn" wă’hāĕñ" ${ }^{\text {n }}$ dat <br> now he blew wind uttered | $\text { at } \underset{\substack{\text { ne" } \\ \text { the }}}{\substack{\text { ha'sa } \\ \text { his ! }}}$ |  |  | $\begin{gathered} o^{\prime} \text { něn' wă'ha- } \text { now } \end{gathered}$ |


| do'n'het | ne" | oñgwe ${ }^{\text {c }}$ | Oděñdoñni' ${ }^{\text {a }}{ }^{\text {6 }}$ | Wă'hĕ"'hĕ̃̃": | "'I's | enn $^{\text {nc }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| became alive | the | human heing. | 1 t Sapling | he it said: | "Thou | thou it |



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| lonesome | Nows. Nerily 9

| sa'hoio'dèn' ${ }^{\text {chă }}$ | $\mathrm{o}^{\prime} \mathrm{nc} \mathrm{c}^{\text {n }}$ | he ${ }^{\prime \prime}$ | o'iă' | sa'ha'soñ'niă' | ne" | oñ'gwe ${ }^{\text {c }}$. |
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| in he went to | now | again | it an- | again he it made | the | human |


| $\begin{gathered} \text { Agoñ'gwe } \\ \substack{\text { She human } \\ \text { being }} \end{gathered}$ |  | $\begin{aligned} & \text { ne" } \\ & \text { the } \end{aligned}$ | sa•ha'soñ'niă. again he it made. | Wă'shagoiă’di"să' <br> He her body com- <br> meted |  |
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|  | wă’hoñwẹn ${ }^{1 /} h$ hăs he it said to him | $\begin{aligned} & \text { ne" } \\ & \text { the } \end{aligned}$ | $\begin{gathered} \text { hadji'1"ǎ': } \\ \text { hee sis) } \\ \text { male: } \end{gathered}$ | " Nā̄'ie" "That (it is) | $\begin{aligned} & \text { ne" } \\ & \text { the } 13 \end{aligned}$ |
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[^74]marry. Do thou not ever cause her mind to be grieved. Thou must at all times hold her dear." At that time he said, addressing her who was there: "This human man-being and thou now marry. Thou must hold him dear. And ye two shall abide together for a time that will continue until death shall separate you tro. Always ye two must hold one the other dear. Ye two must care for the grove bearing large fruit. For there are only a few trees that belong to you two." He said: "Moreover, do ye two not touch those which do not belong to you two. Ye two will do evil if it so be that you two touch those which do not belong to you two."

Thus, in this manner, they two remained together, the man-being paying no attention to the woman-being. The male human man-being cared not for the female human man-being. Customarily, they two laid themselves down and they two slept. Now sometime afterward, he who had completed their bodies was again passing that way, and,

seeing the condition of things, thought of what he might do to arouse the minds of the two persons. Then he went forward to the place where lay the male person sleeping, and having arrived there he removed a rib from the male person, and then, next in turn, he removed a small rib from the sleeping female man-being. And now, changing the ribs, he placed the rib of the woman-being in the male human man-being, and the rib of the male human man-being he set in the human woman-being. He changed both alike. At that time the woman-being awoke. As soon as she sat up she at once seized the place where was fixed the rib that had been hers. And, as soon as she did this, then the man-being, too, awoke. And now, verily, they both addressed words the one to the other. Then Sapling was highly

pleased. He said: "Now I tell you both that, in peace, without ceasing ye both must hold one the other dear. Thou wilt do evil shouldst thou address unkind words to the one who abides with thee in this particular place. And, next in turn, he addressed the male human man-being, saying: "Do not thon ever come to dislike her witu whom thou dost abide. The two human man-beings that I have made are sufficient. The ohwachira [blood-family, offspring of one mother] which ye two will produce will fill the whole earth." Then he again separated from them.

It thus came to pass that he noticed that his brother, Flint, was at work far away. Then he ordered one, saying: "Go thou after him who is at work yonder; he is my brother, Flint." At that time a person went thither, and said: "I have come for thee. Thy brother,



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Sapling, has sent me to bring thee with me. Then Flint said: "I am at work. By and by I shall complete it, and then, and not before, will I go thither." He again departed. He arrived home, and moreover, he brought word that Flint had said: "I am at work. I shall complete it by and by, and then, not before, will I go thither to that place." He said: "Go thou thither again. I have a matter about which I wish to converse with him." Again he arrived there, and he said: "He would that thou and he should talk together." He replied, saying: "Verily, I must first complete my work, and not until that time will I go thither." Then he again departed thence. Again he arrived home, and he said: "He yonder did not consent to come." At that time Sapling said: "He himself, forsooth, is a little more important than I. Moreover, I verily shall go thither." Thereupon Sapling went to that place. Flint did not notice it. When he arrived

there, he said: "Thou art working for thyself, art thou, in thy work?" He replied. saying: "I am working. I desire to assist thee, for that it will take a long time for the man-beings to become numerous, since thou hast made only two." At that time Sapling said: "Verily, as a matter of fact, the two man-beings that I have completed are sufficient. And, in so far as thou art concerned, thou art not able to make a human man-being. Look! Verily, that which thou believest to be a man-being is not a true one." He saw standing there a long file of things which were not man-beings. There sat the beast with the face of a man-being, a monkey; ${ }^{\text {a }}$ there next to him sat the ape; ${ }^{"}$ and there sat the great horned owl. And there were other things also seated there. Then they all changed, and the reason of it is that they were not man-beings. Sapling said, when he overmatehed their


[^75]orenda: "Verily, it is good that thou, Flint, shouldst cease thy work. It is a direful thing, verily, that has come to pass." He did not consent to stop. Then Sapling said: "It is a marvelously great matter wherein thou hast erred in not obeying me when I forbade thy working." At that time Flint said: "I will not stop working, because I believe that it is necessary for me to work." Then Sapling said: "Moreover, I now forsake thee. Hence wilt thou go to the place where the earth is divided in two. Moreover, the place whither thou wilt go is a fine place."

At that time he cast him down, and he fell backward into the depths of the earth. There a fire was burning, and into the fire he fell supine; it was exceedingly hot. After a while Flint said: "Oh, Sapling! Thou wouldst consent, wouldst thou not, that thon and I should converse

once more together?" Sapling replied, saying: "Truly, it shall thus come to pass. Moreover, I will appoint the place of meeting to be the place where the earth is divided in two." And Flint was able to come forth from the fire. At that time then Sapling went thither, going to the point designated by him. He arrived there, and, moreover, he stood there and looked around him. He looked and satw afir a cloud floating away whereon Flint was standing. Sapling said: "What manner of thing has come to pass that thou art departing hence array?" Flint answered: "I myself did not will it." Sapling said: "Do thou come thence, hitherward." At that time the clond that was floating away returned, and again approached the place where Sapling stood. Then this one said: "How did it happen that it started away?" Flint, replying, said: "It is not possible that I personally should have willed

it." Sapling rejoined: "How did it happen that thou didst not will it?" Then Flint said: "I did not do that." Sapling said: "It is true that it is impossible for thee to do it. Moreover, thou and I, verily, are again talking together. What kind of thing desirest thou? What is it that thou needest, that thou and I should again converse together?" Flint then said: "It is this; I thought that, perhaps, thou wouldst consent that the place where I shall continue to be may be less rigorous. And thou didst say: 'Thou art going to a rery fine place.' And I desire that the place where thon wilt again put me be less rigorous than the former." Sapling said: "It shall thus come to pass. I had hoped that, it may be, thou wouldst say. 'I now repent.' As a matter of fact it did not thus come to pass. Thy mind is unchanged. So, now, I shall again send thee hence. I shall

send thee to the bottom of the place where it is hot." Now, at that time his body again fell downward. The place where he fell was exeeedingly hot. At that time Sapling said: "Not another time shalt thou eome forth thenee." Then Sapling bound poor Flint with a hair. And he bound him with it that he should remain in the fire as long as the earth shall continue to be. Not until the time arrives when the earth shall come to an end will he then again break the bonds. Then Sapling departed thence.
Moreover, it is said that this Sapling, in the manner in whieh he has life, has this to befall him recurrently, that he becomes old in body, and that when, in fact, his body becomes aneient normally, he then retransforms his body in such wise that he becomes a new man-being again and again reeover: his youth, so that one would think

that he had just then grown to the size which a man-being eustomarily has when he reaches the youth of man-beings, as manifested by the ehange of voice at the age of puberty.

Moreover, it is so that continuously the orenda immanent in his body-the orenda with which he suffuses his person, the orenda which he projeets or exhibits, through which he is possessed of force and potency-is ever full, undiminished, and all-sufficient; and, in the next place, nothing that is otkon ${ }^{a}$ or deadly, nor, in the next place, even the Great Destroyer, otkon in itself and faceless, has any effect on him, he being perfectly immune to its orenda; and, in the next place, there is nothing that ean bar his way or veil his faculties.

Moreorer, it is verily thus with all the things that are contained in the earth here present, that they severally retransform or exchange their bodies. It is thus with all the things [zoie] that sprout and grow, and, in the next place, with all things [actively zoic] that produce



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| De'gaóor'soñde', | de'honă ${ }^{\prime} \mathrm{o}^{\prime}$ wiis, | ne ${ }^{\prime \prime}$ tho ${ }^{6}$ | g'wă"tho | niiă ${ }^{61}$ | $\text { stěen }{ }^{\text {9/ }}$ |
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| It has a face, | (not) it affects (wears on) him, | there | next to it | $\begin{gathered} \text { not } \\ (\mathrm{it} \mathrm{is}) \end{gathered}$ | any- <br> thing |


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| kind of thing | it him bars (shuts) out. | Thus, | verily, | more- | so it is | where 10 |


themselves and grow, and, in the next place, all the man-beings. All these are affected in the same manner, that they severally transform their bodies, and, in the next place, that they (actively zoic) retransform their bodies, severally, without cessation.


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## A SENECA VERSION

There were, it scems, so it is said, man-beings dwelling on the other side of the sky. So, just in the center of their village the lodge of the chief stood, wherein lived his family, consisting of his spouse and one child, a girl, that they two had.

He was surprised that then he began to become lonesome. Now, furthermore, he, the Ancient, was very lean, his bones having become dried; and the cause of this condition was that he was displeased that they two had the child, and one would think. judging from the circumstances, that he was jealous.

So now this condition of things continued until the time that he, the Ancient, indicated that they, the people, should seek to divine his Word; that is, that they should have a drean feast for the purpose of ascertaining the secret yearning of his soul [produced by its own

motion]. So now all the people severally continued to do nothing else but to assemble there. Now they there continually sought to divine his Word. They severally designated all manner of things that they severally thought that he desired. After the lapse of some time, then, one of these persons said: "Now, perhaps, I myself have divined the Word of our chief, the exerement. And the thing that he desires is that the standing tree belonging to him should be uprooted, this tree that stands hard by his lodge." The chief said: "Gwă'"" [expressing his thanks].

So now the man-beings said: "We must be in full number and we must aid one another when we uproot this standing tree; that is, there must be a few to grasp eaeh several root." So now they uprooted it and set it up elsewhere. Now the place whenee they had uprooted the tree fell through, forming an opening through the sky earth. So now, moreover, all the man-beings inspected it. It was curious;

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the time we it will uproot this it is it tree That the few it is

below them the aspeet was green and nothing else in color. As soon as the man-beings had had their turns at inspecting it, then the chief said to his spouse: "Come now, let us tro go to inspect it." Now she took her child astride of her back. Thither now he made his way with difficulty. He moved slowly. They two arrived at the place where the cavern was. Now he, the Ancient, himself inspected it. When he wearied of it, he said to his spouse: "Now it is thy turn. Come." "Age'," she said, "myself, I fear it." "Come now, so be it," he said, "do thou inspect it." So now she took in her mouth the ends of the mantle whieh she wore, and she rested hersclf on her hand on the right side, and she rested herself on the other side also, closing her hand on either side and grasping the earth thereby. So now she looked down below. Just as soon as she bent her ncek, he seized her leg and pushed her body down thither. Now, moreover, there [i. e., in the hole] floated the body of the Firc-dragon with the white body, and,

verily, he it was whom the Ancient regarded with jealonsy. Now Fire-dragon took out an ear of corn, and verily he gave it to her. As soon as she received it she placed it in her bosom. Now, another thing, the next in order, a small mortar and also the upper mortar [pestle] he gave to her. So now, again, another thing he took out of his bosom, which was a small pot. Now, again, another thing, he gave her in the next place, a bone. Now, he said: "This, verily, is what thou wilt continue to eat."

Now it was so, that below [her] all manner of otgon [malefic] male man-beings abode; of this number were the Fire-dragon, whose body was pure white in color, the Wind, and the Thiek Night.


Now, they, the male man-beings, counseled together, and they said: "Well, is it not probably possible for us to gire aid to the womanbeing whose body is falling thence toward us?" Now every one of the man-beings spoke, saying: "I, perhaps, would be able to aid her." Black Bass said: "I. perhaps, could do it." They, the man-being", said: "Not the least, perhaps, art thou able to do it, seeing that thou hast no sense [reason]." The Pickerel next in turn said: "I, perhaps, could do it." Then the man-beings said: "And again we say, thou canst not do even a little, because thy throat is too long [thou art a glutton]." So now Turtle spoke, saying: "Moreover. perhaps, I would be able to give aid to the person of the woman-being." Now all the man-beings confirmed this proposal. Now, moreover, Turtle floated there at the point directly toward which the body of the woman-being was falling thence. So now, on the Turtle's carapace she, the womanbeing, alighted. And she, the woman-being, wept there. Some time

afterward she remembered that seemingly she still held [in her hands] earth. Now she opened her hands, and, moreover, she scattered the earth over Turtle. As soon as she did this, then it seems that this earth grew in size. So now she did thus, scattering the earth very many times [much]. In a short time the earth had become of a considerable size. Now she herself became aware that it was she herself, alone seemingly, who was forming this earth here present. So now, verily, it was her custom to travel about from place to place continually. She knew, verily, that when she traveled to and fro the earth increased in size. So now it was not long, verily, before the various kinds of shrubs grew up and also every kind of grass and reeds. In a short time she saw there entwined a vine of the wild potato. There out of doors the woman-being stood up and said: "Now, seemingly, will be present the orb of light [the sun], which shall be called the

diurnal one." Truly now, early in the morning, the orb of light arose, and now, moreover, it started and went thither toward the place where the orb of light goes down [sets]. Verily, when the orb of light went down [set] it then became night, or dark. Now again, there out of doors she stood up, and she said, moreover: "Now, seemingly, next in order, there will be a star [spot] present bere and there in many places where the sky is present [i. e., on the surface of the sky]." Now, truly, it thus came to pass. So now, there out of doors where she stood she there pointed and told, moreover, what kind of thing those stars would be called. Toward the north there are certain stars, severally present there, of which she said: "They-are-pursuing-the-bear they will be called." So now, next in order, she said another thing: "There will be a large star in existence, and it will rise customarily just before it becomes day, and it will be called, 'It-brings-the-day.'" Now, again she pointed, and again she said: "That cluster of stars yonder will be called 'the Group Visible.' And they, verily,

will know [will be the sign of] the time of the year [at all times]. And that [group] is called 'They-are-dancing.'" So now, still once more, she spoke of that [which is called] "She-is-sitting." [She said]: "Verily, these will accompany them [i. e., those who form a group]. 'Beaver-its-skin-is-spread-out,' is what these shall be called. As soon, customarily, as one journeys, traveling at night, one will watch this [group]." Some time after this, she, the Ancient-bodied, again spoke repeatedly, saying: "There will dwell in a place far away man-beings. So now, also, another thing; beavers will dwell in that place where there are streams of water." Indeed. it did thus come to pass, and the cause that brought it about is that she, the Ancient-bodied, is, as a matter of fact, a controller [a god].

So now, sometime afterward, the girl man-being, the offspring of the Ancient-bodied, had grown large in size. And so now there was also much forest lying extant. Now near by there was lying an

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## Eiă dagén'tcǐ".

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uprooted tree, whereon it was that she, the child, was always at play. Customarily she swung, perhaps; and when she became wearied she would descend from it. There on the grass she would kneel down. It was exceedingly delightful, customarily, it is said, when the Wind entered; when she became aware that the Wind continued to enter her body, it was delightful.

Now sometime afterward the Ancient-bodied watched her, musing: " Indeed, one would think that my [man-being] offspring's body is not sole [i. e., not itself only]. "Ho," she said, " hast thou never' customarily seen someone at times?" "No," said the girl child. Then she, the Ancient-bodied, said: " I really believe that one would think that thou art about to give birth to a child." So now, the girl child told it, saying: "That [I say] there [at the swing] when, customarily, I would

kneel down, I became aware that the Wind inclosed itself in my body." So now, she, the Ancient-bodied, said: "If it be so, I say as a matter of fact, it is not certain that thou and I shall have good fortune."

Sometime afterward then, seemingly, [it became apparent] that two male children were contained in the body of the maiden. And now, verily, also they two debated together, the two saying, it is said, customarily: "Thou shalt be the elder one," "Thee just let it be," so it was thus that they two kept saying. Now, one of them, a male person who was very ugly, being covered with warts, said: "Thou shalt be the first to be borm." Now the other perwon said: "Just let it be thee." Now he, the Warty, said: "Just let it be thee to be the first to be born." "So let it be," said the other person, "thou wilt fulfil thy duty, perhaps, thou thyself." "So be it," verily said he, the Warty. Now, he who was the elder was born. And then in a short time she [the Ancient-bodied] noticed that, seemingly, there was still

another to be born. The other had been born only a short time when this one was also born. They had been born only a rery short time when their mother died. There, verily, it is said that he, the Warty, eame forth from the navel of his mother. So now, verily, she, the Ancient-bodied, wept there. Not long after this, verily, she gave attention to the twins. As soon as she finished this task she made a grave not far away, and so she there laid her dead offspring, laying her head toward the west. So now, moreover, she talked to her. She, the Ancient-bodied, said: "Now, verily, thou hast taken the lead on the path that will eontinue to be between the earth here and the upper side of the sky. As soon as thou arrivest there on the upper side of the sky thou must earefully prepare a place where thon wilt eontinue to abide, and where we shall arrive." Now, of eourse, she covered it.

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| waĕñna ${ }^{n /}$ git. he was born. | t. Dă'dji |  | $\begin{aligned} & \text { they (m.) } \\ & \text { are borr } \end{aligned}$ |  | $\begin{gathered} \mathrm{o}^{\prime} \text { nénc } \mathrm{nc} \text { now } \end{gathered}$ | wă'āi' $\bar{c}$ ' she died | $\begin{aligned} & \text { ne" } \\ & \text { the } \end{aligned}$ |  |
| shagodino" ${ }^{\text {ĕ }}$ she their mother | $\begin{array}{cc} \mathrm{e}^{\mathrm{n}} 6 & \mathrm{Ne} e^{2} \\ \mathrm{r} \text { is. } \end{array}$ |  | na' $^{6}{ }^{6}$, verily, |  | $\begin{aligned} & \text { ne } e^{\prime \prime} \\ & \text { the } \end{aligned}$ | H | "dāe" |  |
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| $\begin{aligned} & \text { wă'on'sdaén }{ }^{\text {she wept }} \end{aligned}$ | $\begin{aligned} & \text { ne } \\ & \text { the } \end{aligned}$ | $\begin{aligned} & \text { Anceren ne } \\ & \text { ondied. } \end{aligned}$ | ns'te1̌‘. <br> ent- |  | dă'ad | $\begin{aligned} & \text { she' }{ }^{\text {n" } 6} \\ & \text { teed } \end{aligned}$ | $\begin{gathered} o^{\prime} \text { nénc } \\ \text { now } \end{gathered}$ |  |




So, now, only this was left, that she customarily cared for the twins, the two children.

Again, after some time, it is said, the two male children were of large size, and verily, too, they ran about there, customarily. Afterward, the elder one, being now a youth, questioning his grandmother, asked: "Oh, grandmother, where, verily, is my father? And who, moreover, verily, is the one who is my father? Where, moreover, is the place wherein he dwells?" She, the Ancient-bodied, said: " Verily, that one who is the Wind is thy father. Whatever, moreover, is the direction from which the wind is customarily blowing, there, truly, is the place where the lodge of thy father stand.." "So be it," replied the youth. So now, rerily, the youth stood out of door-s, and now he, moreover, observed the direction of the wind, whence it was blowing; and this too he said: "I desire to see my father, and the reason is that

he would give me aid." Now, he said: "Far yonder stands the lodge of my father, the Wind; he will aid me; he will make the bodies of all the linds of animal [man-beings]; and by all means still something else that will be an aid to me." So now he started. He had not gone far when in the distance he saw the place where stood the lodge of his father. He arrived there, and there a man-being abode who had four " children, two males and two females. The youth said: "I have now arrived. O father, it is necessary that thou shouldst aid me. And that which I need are the game [animals] and also some other things." They were all pleased that they saw him. So now he, the Ancient, their father. said: "So let it be. Truly I will fultil all of thy require-


[^76]ments in coming here. In the first place, however, I will that these here, ye my children, severally shall amuse yourselves somewhat by rumning a race. I have a flute for which ye shall contend one with another, whereby ye shall enjoy yourselves. And I say that ye shall make a circuit of this earth here present, and also that ye shall take this flute." So now they stood at the line whence they should start. Now the visiting youth said: "I desire that here shall stand be, the Defender ${ }^{a}$ [the False-face, He-defends-them], that he may aid me." Truly, it thus came to pass; the Defender came and stood there. And now, moreover, the youth said: "And I say that thou must put forth thy utmost speed for that I am going to trail thy tracks." So now truly it did thus come to pass that at all times they two [males] were in the lead throughout the entire distance covered in making the circuit [of the earth]. As soon as they started running he trailed him, and the pace was swift. In a short time now they made a circuit of it. Much did they two [males] outfoot the other two. Now he that


[^77]carried the flute gave it to his father. Now he, the Ancient, took it and also said: "Now, of course, truly thou hast won from me all the things that thou desirest that I should do for thee." Now, moreover, he there laid down a bundle, a filled bag that was very heavy. So now, verily, he gave to his son, to the one who came from the other place, this bundle and also this flute that he had won, and he also said: "I say that this shall belong to you both equally, to thee and thy younger brother." So now the youth took up the bundle and bore it on his back by means of the forehead burden strap. So now he traveled along to a place where he became tired and the sack began to be heavy. So now he exclaimed, "It may be, perhaps, that I should take a rest." And so now he sat down and also examined it [the hag]. He thought, "Let me, indeed, view them; for indeed they belong to me anyway."


Now, verily, he there unwrapt it and moovered it. Just as soon as he opened it there were repeated shovings. Now, moreover, there all the various kinds of animals that his father had given hime came forth. He was taken ly surprise that all the amimals so suddenly came forth. Thus it came to pass as soon as he fully opened the sack. And there, moreorer, they severally trampled upon him. So the last one to come forth was the spotted fawn. Now he there shot it. On the front leg, a little ahove the place where the hoof joins the leg, there he hit it. It escaped from him, verily, moreover. So now he said: "Thus it will be with thee always. It will never be possible for thee to recover. And the wax [fat] that will at all times be contained therein will be a good medicine. And it will continne to be an effective medicine. As soon as anyone customarily shall have sore eyes, one must customarily anoint them with it, binding it thereon; then, eustomarily it will be possible for one to recover.


So then he departed again from that place. When he again arrived at the plase where their lodge stood, he told his younger brother, saying: "Do thou look at what the father of us two has given us two." When he again arrived where his grandmother was, he said: "Now I have been to the place of my father on a visit. He granted me a most important matter. So do ye again go out of doors. Ye will hear the great noise [made] by all the several kinds of animals." Now they went out, and they listened to the loudness of the noise made by all the kinds of animals. Now there, their grandmother, the Ancient-bodied, she stood up, and she talked, saying: " Let it stand here; that is the elk, which this thing shall be called. Here also let another stand, one that is just a little smaller, which shall be called a deer. Now also another thing, let it stand here, and that

next in turn shall, verily, be called a bear. Now, also, another thing, next in order, let him stand here, and that next in order of time shall be called a buffalo. So that, verily, is just the number of [game animals] which are large in size. As soon, verily, as man-beings shall dwell here, those, verily, shall be the names of the different animals; when the man-beings dwell [here], then they shall give names to all the other animals."

So, verily, now, he, the youth, said: "I desire that there shall be a hollow here [in the ground], and that it shall be full of oil." Verily, it thus came to pass. Now, moreover, he said: "Hither let him [anthropic], the buffalo, come." In just a short time it then stood there. Now he said: "Therein do thou plunge thyself." Thus, truly, did it come to pass. On the farther side it landed from the oil pool, having become as fat as it is possible for it to be. So now again he

said: "Hither let hm [anthropic] come next in order of time, the bear." In a short time now the bear stood there. Moreover, he now said again: "Therein do thou, next in order, plunge thyself into that oil." Thus, truly, did it come to pass. On the farther side it landed from the oil pool, having become as fat as it is possible for it to be. So now he said: "What is it thou wilt do, and in what manner, to aid [human] man-beings?" "This, seemingly, is all; I shall just flee from him," it said. So now he loaded it by inserting meat into its legn. And now, verily, its legs are very large. So now he said: "Let the deer next in order stand here." As soon as it stood there, he said: "There into that oil thou shalt plunge thyself." Now of course he [anthropic] cast his body therein, and landed from the oil pool on the other side, and it [zoic] was as fat as it was possible for it to be. So now he said: "With what and in what manner wilt thou aid the [human]

man-beings?" "As for me, I shall not flee from him," it said. He said: "With what, and in what manner, moreorer, wilt thou just do it?" "I will just bite them repeatedly," it replied. So now he, the youth, said: "Thus, just so, and only so, shall it be with thee," and now, moreover, he removed severally its upper teeth. Them he said: "Now the bodies of all those things which have horns, the buffalo, and the elk, etc., inherit the effect of this change." That is the reason that they [anthropic] have no upper tecth. All these several small things, the raccoon, woodehuck [or hadger], porcupine, and also the skunk, all cast their bodies therein; therein they [zoic] plunged themselves. So only that is the number of those who were received. So next in order are those (z.) who were not accepted. I say that these, the Fisher, the Otter, and the Mink, and the Weasel [were

the ones]. So that was the number of those who were excluded, [being set] aside, and who assembled there near by. So the Mink now cast his body into the oil. As soon as he came up out of it the yoath seized him there, and he held him up, and he stripped his body through his hands, and that is the reason that his body did become somewhat longer. Now, rerily, again it thus came to pass. Their bodies shared the change [into the character they now have]. namely, those of the Fisher, and the Otter, and the Mink, and the Weasel. And this is the number of those [zoic] whose bodies next shared this transformation there-the Wolf, and the Panther, and the Fox. All these were excluded, being set aside.

So now the two male children were in the habit of going away. Day after day they two went to a great distance; there far away they two were in the habit of setting traps. So then day after day they two

were in the habit of going away. So for some time now they [mase. anthropic] who severally had otgon ${ }^{a}$ natures, and they also whose bodies were otgon in nature, hated them [the two boys]. Now, of course, they two verily, in going away, were in the habit of going together. So that [ I say], moreover, one day the elder one said: "Thou alone, for the time being, go thither. Thou alone next in time shalt view our several set traps." So morcover [I say], that truly it did thus come to pass. As soon now as he was far away they [mase. anthropic] whose bodies are otgon by nature killed him there. So now he, the elder one, bccame aware that they had killed his younger brother. So now he began to cry. And [I say] that when it made him weep the most, when he said in his crying, 'ěn', 'ěñ", 'čñ', 'eñ"', then there were noises made in several places in the sky that is present. So now they [mase. anthr.] who are severally


[^78]otgon, and also they [zoic] whose bodies are severally otgon, now, verily, became alarmed. Now, moreover, they said: "In just a short time only, we believe, the sky will fall, perhaps, as soon, we think, as he weeps much; it is preferable that he, his younger brother, shall return; nothing else [will stop it]." So now of course the routh became ashamed because such a large number of persons severally became aware that he was weeping. So now verily he did close up his lodge, all places therein where there were openings [crevices]. So now just after he had completed his task of closing up the openings, in just a short time, now thence, from the outside, Flint spoke, saying: "Oh, elder brother, now l have returned." So now he the elder one, who was shut up indoors, said: "It can not be that thou shouldst come in. Thou shalt just depart, thou thyself. Thou shalt take the lead on the path whereon went the mother of as two. There

thou too shalt print thy track. I say that thou shalt trail the tracks of her who was our mother. Moreover, not far hence, there thou shalt seat thyself. So there now thou shalt observe the kind of life that customarily the human man-beings will live who will dwell on the earth. So now there, moreover, the path will divide itself where thon wilt abide. One of the ways will lead thither to the place where is the abode of His-word-is-master. ${ }^{\text {a }}$ and the other will lead to the place where abides He-dwells-in-caves. ${ }^{b}$ And abo thou wilt have servants, they-[masc.]-dwell-in-caves. So that, moreover [I say], thou shalt take this thing-to-blow, this flute, and that thou shalt constantly continue to how it. Just as soon, customarily, as one's breath ends, one shall hear customarily from what direction speaks the flute.

Sometime afterward the youth now began to wonder, soliloquizing: - What is, perhaps, verily, in great measure, the reason that my grandmother does not eat wild potatocs?" Now, verily, he asked her,

saying: "Oh, grandmother. what is it, verily, and why dost thou not in great measure eat wild potatoes?" "I customarily, all alone, by myself eat food," she said; "1 eat it [food], as a matter of fact." Now he mused, "Now, verily, I will wateh her in the night, now just soon to be." So now he made an opening in his robe. Now, verily, he laid himself down, pretending to be asleep. Thence, nerertheless, he was looking, out of the place where he had made a hole in his robe. Now, moreover, he was looking out of the place where he had made an opening in the robe, and he was watching the place where his grandmother abode eustomarily. So now, she, the Ancientbodied, went out. Now, moreover, she looked in the direction of the sumrising. Now the Star, the Day-hringer, was risen. Now she, the Aneient-bodied, said: "Now of course, so it is, I will remore my pot sitting [over the fire]." So now truly she removed the pot

[from the fire] and also put the wild potatoes in a bowl of bark, and there was just one bowlful. So now, next in order, she rummaged among her belongings in a bag whieh she pulled out, and now, verily, she there took out corn. So now she parched it for herself. Now, moreover, it popped. There was quite a pile of the popped corn. Now, verily, she took out a mortar of small size. Moreorer, she struck repeated blows on the mortar, and the mortar grew in size, and it grew to a size that was just right. Now she took out the upper mortar ${ }^{a}$ [pestle] from her bag. Now again she struck it repeated blows and it, too, inereased in size. So now she pounded the corn, making meal. So now again she searched in her bag. She tonk thence again a small pot, and she, too, again did in like manner. striking repeated blows upon it. and it. too, increased in size. Now


[^79]she there set up the pot, and also made mush therein. So, at soon as it was cooked she again rummaged in her bag. So now she took from it a bone, a beaver bone. Now again, verily, she seraped the bone, and she poured the bone-dust into the pot, and now, moreover, at onee there floated oil on its surface. Now, of course, she took the pot from the fire. So now she ate the food. Verily, now, the youth went to sleep. Now early in the morning again [as usual] she, the Ancient-hodied, went away to dig wild potatoes. As soon as she disappeared as she went, then he went to the place where his grandmother customarily abode: Now, moreover, he began to rummage [among her belongings]. He took out an car of corn which had only a few grains left fixed to it, there being, perhaps, only three and a half rows of grains left. So now he began to shell the corn; he shelled it all.


So now he parched it for himself. Now, moreover, it popped, hursting iteratively, there being quite a heap, quite a large amount of it. Again he rummaged. Again he there took out a mortar of small size and also an upper mortar [pestle]. So now he used this to strike that, and now, moreover, both increased in size. And now he poured the parched corn. So now he in the mortar pounded it, and now verily it became meal. Now again he searched in her bag, and he took therefrom a small pot, and now nsed something else to strike upon it blows; then it, too, increased in size. Now, verily, he there set ip, the pot [on the fire] and also put water in it. So now he therein ponred all this meal. Now, of course, he made mush. So now again he searched in the bag of his grandmother, and therefrom he took a bone, and he put it therein, and the mush became abundant.

"Ho'ho"," he kept chuckling. "It tastes good." Now soon thereafter his grandmother returned. She said: "Well, what manner of thing art thou doing?" "I have made mush," the youth said, "and it is pleasant, too. Do thou eat of it, so be it, oh, grandmother. There is an abundance of mush." So now she wept, saying: "Now, verily, thou hast killed me. As a matter of fact, that was all there was left for me." "It is not good," he said, "that thou dost begrudge it. I will get other corn and also bone.

So now the next day he made his preparations. When he finished his task, he said: "Now it is that I am going to depart." So now, verily, he departed. He arrived at the place where dwell man-beings. As soon as he arrived near the village he then made his preparations. I say that he made a deer out of his bow, and, next in order, a wolf

out of his arrow; he made these for himself. Now he said: "Whenever it be that ye two rum through the village it will eustomarily be that one will be just on the point of overtaking the other." Next in order he himself made into an Ancient-bodied one. So now he went to the place where ther [masc.], the man-beings, abode. So now, sometime after he had arrived there, then, verily, they gave him food, gave to the Ancient-bodied. During the time that he was eating they heard a wolf approach, barking. One would just think that it was pursuing something. So now they all went out of doors. They saw a wolf pursuing a deer which was approaching them, and saw that, moreover, it was about to seize it. So now all ran thither. So now he was alone, and the Ancient-bodied ate. As soon as they had all gone, he now thrust his body into the plaee where, severally, the

strings of corn hang. Two strings of eorn he took off, and now. moreover, he placed them on his shonlder and he rent ont at once. He was rumning far away when they noticed [what he had done], but, verily, they did not at all pursue him. Again he arrived at their lodge. So now he east them down where his grandmother abode. "Here," he said: "Thou wilt do with this as seems good to thee. Thou mayest deeide, perhaps, to plant some of it." When it was day, he said: "Well, I will go to kill a beaver." Now. moreover. he went to the plaee that his grandmother had pointed ont, saying that sueh things would dwell there. So he arrived there, and then, also, he saw the plaee where the beavers had a lodge. Then he saw one standing there. He shot it there and killed it. So then he plaeed its body on his back by means of the forehead pack-strap and then, moreover, he departed for home. Some time afterward he arrived

at the place where their lodge stood. Thus, also, again did he do; there where his grandmother was sitting he cast it. "Here," he said. "So be it," she, the Ancient-bodied, said.
So now out of doors they two skinned it. They two held its body in many places. So when they two were nearly through their task there was a pool of blood on the green hide. So then she, the Ancient-bodied, took up a handful of the blood and cast it on the loins of her grandson. "Ha"ha"'," she, the Ancient-bodied, said, "now, verily, my grandson, thou becomest catamenial." "Fie upon it," said the youth, "it is not for us males to be so affected as a habit; but ye, ye females, shall be affected thus habitually every month." Now, again he took up a handful of clotted blood and cast it between the thighs of his grandmother, and now, he said: "Thou, of course, verily, hast

now become catamenial." So now, she, the Ancient-bodied, began to weep, and she said: "Moreover, customarily, for how long a period will it be thus as an habitual thing!" Then the youth said: "[As many days as there are pots on the fawn. So long, verily, shall be the time that it will continue to be thus." Now again she began to weep. the Ancient-bodied. So now she said: "It is not possible for me to consent that it shall be thus." "How many, moreover, then, shall they be?" he said. "I would accept the number of stripes on the back of a chipmunk," she said. "So be it," said the youth. So then he said: "Customarily, four days shall a woman-being remain out of doors. Then, customarily, as soon as she has washed all her garments, she shall reenter the place where ther, her ohwachira ${ }^{a}$, abide."


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|  |  | $\begin{array}{ll} \text { di'q } \\ \text { more- } \end{array}$ | noñ'?", perhaps | waĕñ" <br> he it snid | $\begin{gathered} \text { "Ne" } \\ \text { "That } \\ \hline \text { "Ther } \end{gathered}$ | í'q |  |
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| ga'swe'no ${ }^{\text {n'/ ge*, }}$, | Wă'a'gěn ${ }^{\text { }}$. | " Nio ${ }^{6 \prime}$ ? | พačñ" | ne* | haksa'dase"ă'. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| its back on," | she it said. | "So be it," | he it said | the | he youth. |


| Da , | 11e" | Waěñ': | 'GGe'i* | gĕñ's |  | as'de ${ }^{\text {c }}$ | gěñ's | ne*'ho* |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| So, | that | he it said: | "Four | customarily | somany it will be dars | ont of doors | cus. Lomarily | there |  |



[^80]So some time afterward she, the Ancient-bodied, said repeatedly: "And there shall be mountains, seemingly, over the surface of the earth here present." And now, rerily, it did thus come to pass. "And too, there shall be rivers on the surface of the earth," again she said. Now, of course, truly it did thus come to pass.

Now the youth said: "Now I think that thou and I should return home; that thou and I should go to that place which my mother has made ready for us; that there thou and I should remain forever." " So be it," she, the Ancient-bodied, said.

So then it was true that his grandmother and he departed. So then, rerily, they two went up on high. So this is the end of the legend.


## A MOHAWK VERSION

In the regions above there dwelt man-beings who knew not what it is to see one weep. nor what it is for one to die; sorrow and death were thus unknown to them. And the lodges belonging to thom, to each of the ohwachiras " [families], were large, and very long, because each ohwachira usually abode in a single lodge.

And so it was that within the circumference of the village there was one lodge which claimed two persons. a male man-being and a female man-being. Moreover, these two man-beings were related to each other as brother and sister; and they two were dehnino'taton" [down-fended].


[^81]In the morning, after eating their first meal, it was enstomary for the people to go forth to their several duties.

All the lodges belonging to the inhahitants of this place faced the rising and extended toward the setting sum. Now then, as to the place where these two down-fended persons abode, on the south side of the lodge there was an added room wherein dwelt the woman-being; but the man-being lived in an added room on the north side of the lodge.

Then in the morning, when all had gone forth, the woman-being habitually availed herself of this opportunity to pass through her doorway, then to cross the large room, and, on the opposite side of it. to enter the place wherein abole the man-being. There habitually she dressed his hair, and when she had finished doing this, it was her

custom to come forth and cross over to the other side of the lodge where was her own abiding place. So then. in this manner it was that she daily deroted her attention to him, dressing and arranging his hair.

Then. after a time, it came to pass that she to whom this female person belonged pereeived that, indeed. it would seem that she was in delieate health; that one would indeed think that she was about to give birth to a child. So then. after a time, they questioned her, saying: " To whom of the man-heings living within the borders of the village art thou about to have a child?" But she the girl child, did not answer a single word. Thus, then, it was at other times; they questioned her repeatedly, but she said nothing in answer to their queries.

At last the day of her confinement came, and she gave birth to a child, and the child was a girl: but she persisted in refusing to tell who was its father.


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But in the time preceding the birth of the girl child this selfsame man-being at times heard his kinsfolk in eonversation say that his sister was about to give birth to a ehild. Now the man-being spent his time in meditating on this erent, and after awhile he began to be ill. And, moreover, when the moment of his death had arrived, his mother sat beside his bed, gazing at him in his illness. She knew not what it was; moreover, never before had she seen anyone ill, because, in truth, no one had ever died in the plaee where these man-beings lired. So then, when his breathing had nearly ended, he then told his mother, saying to her: "Now, rery soon shall I die." To that, also, his mother replied, saying: "What thing is that, the thing that thou sayest? What is about to happen?" When he answered, he said: " My breathing will eease; besides that, my flesh will become cold,
 (is) about it.
fter a time now thence it began now wă‘hono 'hwăk'těn'. Ne o'nĭ ne ciiă'ka'hewe' ne ${ }^{\prime}$ én $^{n}{ }^{\prime}$ rén $^{n}$ 'he'ie' it caused him to be ill. there it brought it
(it was time for it)
 the hismother hismatbeside there she abode, she it looked at the

where it causes him to be ill. Not she knowsit; not also ever

she has lookerl at it the it would causc one tobe ill, noeause as a mat-



he her addressed the
the his mother
he it said:
"Now



so it will takeplace?" The also the thencehereplied he said:

and then, also, the joints of my bones will become stiff. And wheu I cease breathing thon must elose my eyes, using thy hands. At that time thon wilt weep, even as it itself will move thee [that is, thou wilt instinetively weep]. Besides that, the others, severally, who are in the lodge and who have their eyes fixed on me when I die, all these, I say, will be affeeted in the same manner. Ye will weep and your minds will be grieved." Notwithstanding this explanation, his mother did not understand anything he had said to her. And now, besides this, he told her still something more. He said: "When I am dead ye will make a bnrial-case. Ye will use your best skill, and ye will dress and adorn my body. Then ye will place my body in the bnrial-case. and then ye will close it mp, and in the added room toward the rising sun, on the inside of the lodge, ye will prepare well a place for it and place it 1 p high."


So then, rerily, when he had actually ceased breathing, his mother closed his eyes, using her hands to do this. Iust as soon as this was accomplished, she wept; and also those others, including all those who were onlookers, were affected in just the same manner; they all wept, notwithstanding that never before this time had they known anyone to die or to weep.

Now then, indeed, they made him a burial-case: then there, high up in the added room in the lodge, they prepared a place with care, and thereon they put the burial-case.

And the girl ehild lived in the very best of health, and, besides that, she grew in size very rapidly. Moreover. she had now reached that size and age when she could run hither and thither, playing about habitually. Besides this she could now talk.


| Neñ | $k a^{\prime} t{ }^{\text {c }}$ | to'k厄゙ncke | Wă'hoñwaroñto tseroñ'nio ${ }^{\text {n* }}$ | $11 \dddot{c o}^{\prime}$ | $\mathrm{o}^{\prime} \mathrm{nu}{ }^{\text {g }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Now | so then | in truth | they (m.) ease made for him | now | also |

tāioñteweiẹñ'to ${ }^{n `}$ ne ${ }^{\prime}$ dji' wă‘hoñwāiă tă'seroñ'ni’. E'tho'ne` něñ'
they (indef.) it did the where they (m.)his body finely arrayed. At that now



thenceshe the now every- sheruns about she goes about making amusements
arrived
where

now also she talks.

Suddenly those in the lodge were greatly surprised that the child began to weep. For never before had it so happened to those who had children that these would be in the habit of weeping. So then her mother petted her, endeavoring to divert her mind, doing many things for this purpose; nerertheless she failed to quiet her. Other persons tried to soothe her by petting her, but none of their efforts succeeded in quieting her. After a while the mother of the child said: "Ye might try to quiet her by showing her that burial-case that lies up high, yonder, wherein the hody of the dead man-being lies." So then they took the ehild up there and uncovered the burialease. Now of course she looked upon the dead man-being, and she immediately ceased from weeping. After a long time they brought her down therefrom, for she no longer lamented. And, besides this, her mind was again at ease.


It was so for a very long time. Then she began to weep again, and so, this time, her mother, as soon as possible, took her child up to where the dead man-being lay, and the child immediately ceased her lamenting. Again it was a long time before one took her down therefrom. Now again she went tranquilly about from place to place playing joyfully.

So then they made a ladder, and they ereeted the ladder so that whenerer she should desire to see the dead man-being, it would then be pessible for her to elimb up to him br herself. Then, when she again desired to see the dead person, she climbed up there. though she did so by herself.

So then, in this way matters progressed while she was growing to maturity. Whenever she desired to see the one who had died, she would habitually climb up to him.

skĕñ'no ${ }^{\text {n }}$ thiteakotkă'ri’tseroñni'hă'tie'se'.

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    well, eon- again she herself goes about amusing.
tentedly
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| Něñ' | ka'tị | e'tho'ne' | něñ' | wă'hatinekoton'ni' | $n e^{\prime}$ | $\mathrm{o}^{\prime} 11 \mathrm{lu}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Now | so then | at that time | now | they made a ladder | the | also |


they set up the ladder The so then the whenever it will be needful for her
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Thus so then so it continued to the where she continued to in- Whenever

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$4 \begin{gathered}\text { thithershe } \\ \text { elimbed, }\end{gathered} \quad$ think, sustom-

In addition to these things, it was usual, when she sat on the place where the burial-ease lay, that those who abode in the lodge heard her conversing, just as though she were replying to all that he said; besides this, at times she would laugh.

But, when the time of her maturity had come, when this child had grown up, and she had again eome down, as was her habit, from the place where the dead man-being lay, she said: "Mother, my father said"-when she said "my father," it then became certain who was her father-" "Now thon shalt be married. Far away toward the sumrising there he lives, and he it is who is the ehief of the people that dwell there, and he it is that there, in that place, will be married to thee.' And now, besides this, he said: 'Thou shalt tell thy mother that she shall fill one burden basket with bread of sodden corn, putting

forth her best skill in making it, and that she shall mix berries with the bread, which thou wilt bear with the forehead strap on thy back, when thou goest to the place where he dwells to whom thou shalt be married. ${ }^{\prime}$

Then it was that her mother made bread of corn softened by boiling, and she mixed berries with the corn bread. So then, when it was cooked, she placed it in a burden basket, and it filled it rery full.

It was then, at this time, that the young woman-being said: "I believe I will go and tell it to my father." It was then that she again climbed up to the place where the dead man-being lay. Then those who were in the lodge heard her say: " Father, my mother has finished the bread." But that he made any reply to this, no one heard. So then it was in this manner that she conversed there with her dead father. Sometimes she would say: "So be it; I will." At other times

she would laugh. So after a while she came down and said: "My father said: "To-morrow very early in the morning thou shalt start.'"
So then, when the next day came, and also when they had finished eating their morning meal, the roung woman-being at this time said: "Now I believe I will start; but I will also tell my father. I believe." At this time she now went thither where stood the ladder, and, climbing up to the place whereon lay the burial-case of the dead manbeing, she said: "Father, I shall now start on my journey." So then again it was from what she herself said that it was learned that he was her father.

It was at this time that he told her all that would hefall her on her journey to her destination, and, moreover, what would happen after her arrival. So then, after she again came down, her mother took up for her the burden basket which was full of bread, and placed it on

the back of the young woman-being, to be borne by means of the forehead strap, and then the young woman-being went forth from the lodge and started on her journey, the path extending away toward the sunrising; and thither did she wend her way.
So it was surprising to her what a short distance the sun had raised itself when she arrived at the place where her father had told her there was a river, where a floating log served as a crossing, and at which place it was the custom for wayfarers to remain orer night, as it was just one day's journey away. So the young woman-being now concluded, therefore, that she had lost her way, thinking that she had taken a wrong path. She then retraced her steps. Only a very short distance again had the sun gone when she returned to the place whence she had started, and she said: "I do not know but that I have lost my way. So I will question my father about it again." She
eiătase' wă'oñtat'therake'tăte' nĕñ' she new- she her caused to bear it on he bodied (is) baek by the forehead strap

where there it sun habitually comes out

on it itsetfroad faces there just thither

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| $\begin{aligned} & \text { ne' } \\ & \text { the } \end{aligned}$ | $\begin{gathered} \text { djıi' } \\ \text { where } \end{gathered}$ | tiiako'těn'tio n' <br> thence she started | $\begin{aligned} & \text { tií } \mathrm{hno}^{\mathrm{n}}{ }^{4} \\ & \text { and } \end{aligned}$ | wă'i'ro she it sai | - 'To'kil <br> "Perhaps, | noñ'wă' <br> this time |
| wă ${ }^{\circ}$ | my wa mista | $\text { ne'. }{ }^{b} \quad \overline{\mathrm{E}}^{\mathrm{n}} \text { she }$ $11$ | ill again |  | ne <br> the | rake'ni' ${ }^{\prime}$ hă'. he my father (is). |


1 my way have mistaken. (rustom- the plaee there one would stay over night niwathíbinoñ'tsel"ese". Nĕñ́' ka'tí né ka'tĭ $\quad$ elắtăse' wă"ěn're' so it journey is long. Now, so then the she new- she it thonght
 it is true she her way has lost, sheit thought perhaps thistime lit path matte
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thereupon climbed up again to the place where her father lay in the burial-case. Those who were in the house heard her say: "Father, I came back thinking that, perhaps, I had lost my way, for the reason that I arrived so quickly at the point thon deseribedest to me as the place where I should have to remain orer night; for the sun had moved scarcely any distance before I arrived where thou hadst told me there would be a river which is crossed by means of a log. This, then, is the aspect of the place whence I returned." At this time, then, he made answer to this, and she alone heard the things that he said, and those other people who were in the lodge did not hear what things he said. It is told that he replied, saying: "Indeed, thou hardst not lost thy way." Now it is reported that he said: "What kind of a $\log$ is it that is used in elossing there?" She answered, it is said: "Maple is

| E'tho'ne At that time | $\begin{aligned} & \text { lia'ti" } \\ & \text { so then } \end{aligned}$ | $\begin{aligned} & \text { něñ' } \\ & \text { now } \end{aligned}$ | ioñsīierat'hĕ" thither again she ascended | $\underset{\text { where }}{\mathrm{dji}}$ | noñ'we the place | tharoñto <br> therc he lies | 1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| tserǐ''here' a burial-case | $\begin{aligned} & \text { ne' } \\ & \text { the } \end{aligned}$ | $\mathrm{rol}_{\text {it }}$ | hă. Iakothont <br> her They scereally | $\begin{aligned} & \text { ce'nio }{ }^{n} \\ & \text { y heard it } \end{aligned}$ | $\begin{aligned} & \text { ne' } \\ & \text { the } \end{aligned}$ | $\begin{gathered} \text { kano }_{\text {na's 'sŭk }}^{\text {no }}{ }^{\text {n' }} \\ \text { house in it } \end{gathered}$ | 2 |


| deteroñ'to ${ }^{\text {r }}$ | ne' | dji' ${ }^{\prime}$ | Wǎ ${ }^{\prime} 1^{\prime} \mathrm{l}^{\text {n' }}$ : | " Rake'nŭ', | tontakă ${ }^{\prime \prime}$ kete | $s \mathrm{o}^{\prime} \mathrm{dju}{ }^{\prime}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| hey one by one abide | the | wherc | she it said: | "Hemy father, | thence I turned back | for (too much |




| dji' ${ }^{\prime}$ | noIn'we ${ }^{\text {b }}$ |  | $a^{6}$ se'k ${ }^{\prime}{ }^{\text {n' }}$ | lul ${ }^{69}$ | othe' $110^{11}$ | akwăl ${ }^{6 \prime}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| where | place | there I will stay over | because | not | anything | very |




| dji' | l1on'we ${ }^{6}$ | toñtak ${ }^{\prime \prime}$ kiete". | Fitho'ne | ka'tǔ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| where | place | thence I turned back. | At that time | so then | thence he made answer |



| ne'ne ${ }^{\text {e }}$ | otiă'ke'shon' | ne' | kano ${ }^{\text {"4'săko }}{ }^{\text {n- }}$ | ie'tero ${ }^{\text {n }}$, | teiakothoñte"o ${ }^{\text {n6 }}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| the that | it other cerery one | the | house in | they it (indef.) <br> abide | they it did hear | 1 |




| ne'ne ${ }^{\text {b }}$ | karoñ'to ${ }^{\prime}$ | $n{ }^{\prime}$ | dji' | teieia'hiāk'thă'? ${ }^{\prime}$ | Wă'i'ro ${ }^{\text {n }}$, | ia'kern ${ }^{\text {n }}$ : |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| the that | it tree floats | the | where | olle uscs it to cross the stream?' | She it suid, | it is said: |

[^83]the kind of $\log$ that is used at the crossing, and the $\log$ is supported by clumps of young saplings of hasswood and ironwood. respectively, on either side of the stream." He replied, it is said: "That appears to be accurate, indeed: in fact, thou didst not lose thy way." At this time, then, she descended and again started on her journey.

And again, it seems, the sun had moved only just a little before she again arrised at the place whence she had returned. So she just kept on her journey and crossed the river.
so, having gone only a short distance farther on her way, she heard a man-being in the shrubbery say therefrom: "Ahem!" She of course paid no attention to him, but kept on her way, since her father had told her what would happen to her on the jomney. Thus. in this manner, she did nothing except hasten as she traveled on to her destination. Besides this, at times, another man-heing would say from out

of the shrubbery: "Ahem!" But she kept on her course, only hastening her pace as much as possible as she continued her journey. But when she had arrived near the point where she should leave the forest. she was surprised to see a man-being coming toward her on the path, and he, when coming, at a distance began to talk, saying: "Stand thou, for a short time. Rest thyself, for now thou must be wearied." But she acted as though she had not heard what he said, for she only kept on walking. He gave up hope, because she would not eren stop, so all that he then did was to mock her, saying: "A Art thou not ashamed, sinee the man thou comest to seek is so old?" But, nerertheless, she did not stop. She did not change her course nor cease from moving onward, because her father had told her all that would happen to her while she trudged on her journey; this, then, is the reason that she did not stand. So then, after a while. she reached a grassy clearing -a

clearing that was very large-in the center of which there lay a rillage, and the lodge of the chief of these people stood just in the middle of that village. Thither, then, to that place she went. And when she arrived at the place where stood his lodge, she kept right on and entered it. In the center of the lodge the fire burned, and on both sides of the fire were raised beds of mats. There the chief lay. She went on and placed beside him her basket of bread, and she said: "We two marry." So he spoke in reply saying: "Do thou sit on the other side of the fire." Thus, then, it came to pass, that they two had the fire between them, and besides this they uttered not a word together even until it became dark. Then, when the time came, after dark, that people retire to sleep habitually, he made up his mat bed. After finishing it he made her a mat bed at the foot of his. He then said: "Thou shalt lie here." So thereupon she lay down there, and he


also lay down. They did not lie together; they only placed their feet together [sole to sole].

And when morning dawned, they two then arose. And now he himself kindled a fire, and when he had finished making the fire he then crossed the threshold into another room; he then came out bearing an onora [string of ears] of white corn. He said: "Do thou work. It is customary that one who is living among the peopls of her spouse must work. Thou must make mush of hulled corn." So she thereupon shelled the corn, and he himself went to bring water. He also got a pot, a pot that belonged to him, and that was very large. He poured the water into the pot and hung it over the fire.

And when she had finished shelling the corn, she bulled it, parboiling the corn in the water. And when the corn was parboiled, she then poured the grains into a mortar. She then got the pestle from where

it stood, and pounded the corn to meal. She brought the pestle down only once, and the meal was finished. The chief marreled at this, for he had never seen one make meal in so short a time. When she finished the meal, the water in the pot which he had hung over the fire was boiling. She, thereupon, of course, was about to puit the meal into it, but he said: "Do thou remove thy garments." So she then divested herself of her garments. She tinished this work, and then put the meal into the water. Now she stirred it, using a pot stick for the purpose. But the man himself lay alongside on the mat bed, having his eyes fixed upon her as she worked. So, of course, as the mush continually spattered, drops of it fell continually in divers places on her, all along her naked body. But she acted just as though she did not feel this. When the mush was sufficiently cooked, her whole naked hody was fully bespattered with mush. At this moment he himself now removed the pot from the fire, and then, moreorer, he opened a door not far away and said: "My slaves,

do ye two come hither." Thereupon thence emerged two animals: they were two large dogs. He said: "Do ye two wipe from along her naked body the mush spots that have fallen on her." Thereupon his slaves, two individuals in number, and besides of equal size, went thither to the place where she was standing. Now, of course, they two licked her naked body many times in many places. But, it is said, their two tongues were so sharp that it was just as if one should draw a hot rod along oree her naked hody. It is said that wherever they two licked the blood came at once. So it is said that when they two had finished this work, she stood there bathed in blood. He thereupon said: "Now, do thou dress thyself again." And she did redress herself. But, it is said, he said to his two slaves: "Come, my slares, do ye two eat, for now the food that was made for you is cooked." So then the two beasts ate. And when they two had

finished eating, he said to them: "Now do ye two reenter the other room." Thereupon they two reentered the other rom, and moreorer he shut them up therein.
Then, it is reported, he said: " It is true, is it not, that thou desirest that thon and I should marry? So, now, thou and I do marry."

So then the things that came to pass as they did during the time she was there were all known to her beforehand, becanse her father had indeed foretold all these things to her; henee she was able with fortitude to suffer the burns without flinching, when the mush spattered on her while she was cooking. If she had flinched when the drops of hot mush fell on her, he would have said to her: "I do not believe that it is true that it is thy wish that thou and I should marry." Besides this she bore with fortitude the pain at the time when the two
wă'ekwe'ul̆'
she it was able to do
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Akwe'ko" o'hĕñ'to" tiiakoteriéñ'tare', a'se"kéne ne Whole beforehand theresheit knew of, beeause the (all) (in front)
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 she herselfnerved to the where so it hot (is) it her mush ne ${ }^{\prime}$ něñ $\tilde{n}^{\prime}$ ciakodjisko'hons a'se kečn' to'kī aoñtī-
 to endure it
dogs licked the mush from her body. If she had flinched to the point of refusing to finish her undertaking, it is also certain that he would have said: "It is of course not true that thou desirest that thou and I should marry."
And when his two beasts had finished eating, he then, it is said, showed her just where his food lay. Thereupon she prepared it, and when she had completed the preparation thereof, they two then ate the morning meal.

It is said that she passed three nights there, and they two did not once lie together: Only this was done, it is reported: When ther two lay down to sleep, they two placed their feet together, both placing their heads in opposite directions.

Then, it is said, on the third morning, he said: "Now thou shalt again go thither to the place whence thou hast come. One basket of dried renison thou shalt bear thither on thy hack he means of the fore-

head strap. I will give some meat to thy people. Moreover, the entire village of people with whom thon dwellest in one place must all share alike in the division of the meat when thou arrivest there."

Thercupon, it is told, he climbed up above and drew down quarter's of meat that had been dried. It is said that he piled it very high in the lodge before he descended. He then put the meat into her hurden basket until it was full. Then, it is told, he took up the hasket, and he shook the lasket to pack the meat close. It actually did settle so much, it is told, that there was but a small quantity [apparently] in the basket. Now, he again began to put meat into the basket. It was again filled. And he again shook it to cause it to settle. and again it settled until it occupied but a very small space in the hasket. Thus he used all the meat thrown down, and yet the basket was not full. Thrice, it is told, he drew down the quarters of

meat, and each time, it is said, did the meat nearly fill the lodge. Not until then was the basket filled. So then, when the basket was full, it is told, he said: "When thou arrivest there, thou and the inhabitants of the place must assemble in council, and the meat shall be equally divided among you. Moreover, thou must tell them that they severally must remove the thatehed roofs from their lodges when the evening tarkness comes, and that they must severally go out of them. And they must store all the corn [hail] that will fall in the lodges. for, indeed, verily, it will rain corn [hail] this very night when thou arrivest there. So now thou must bear on thy back by means of the forehead strap this basket of dried venison." Thereupon he took up the basket for her, and he said: "Thou must carefully adjust the burden strap in the proper place, beeause it will then not be possible for thee to move the burden strap to a new place, no matter how tired soever

thou mavest become, until thou indeed arrivest there. Now, at that time thou must renove thy burden." So then, when she had completed her preparations, she adjusted the burden strap so that it passed orer her forehead at the fittest point. She then said: "Now I helieve I have completed my preparations, as well as chosen just where the burden strap shall pass." Thereupon he released his hands from holling up the basket for her, and now, moreover, she started on her joumey homeward.

Now, morcover, the hasket she carried on her back was not at all haur. But wheu she had gone perhaps one-half of the way back on her journey, the burden began to be heary in a small measure. Then, as she continned her journey, it gradually became heavier. The instant she reached the inside of the lodge, the burden strap became detached and the basket fell to the ground, and the dried meat fell out of it. The meat filled the space within the lodge, for did she not hring much

meat on her back? For thrice, is it not true, he had pulled down meat in his lodge when he was putting the meat into her basket at the time when he was making up her burden? It was then that she told them that they must remove the thatched roofs from their lodges when it became erening.

Then she said: "He has sent yon some meat. Now then, my kinsfolk, take up this meat lying in the lodge." Then at that time her people took up the dried meat, and so they all carried it away. She then said: "Ye must renove the thatched roofs from the lodges that sererally belong to yon the first time ye go to sleep, becanse my sponse has sent word that he will give you some white corn [white grains] during the time that ye will again be asleep. It will rain white grains while ye again are asleep." So. when it became dark,

it showered corn [hail] during the entire night, and so by this means they had much grain [hail] when day dawned.

Then, in truth, they removed the roofs from their several lodges, and they retired to sleep. So, when they awakened, in truth, then there was rery much corn [hail] lying in the lodges. The white corn [grain] lay above one's knees in depth. Thus lay the white corn, for so long as they slept it showered white corn [grain]. The reason that he gave her people corn was because he had espoused one of their people.

After a suitable time she started back, going to the lodge of her spouse. Verily she again made the journey in the same time that it took her the first time she went thither. So then, when she arrived there, she of course at that time related to him all that had happened

to her during her journey to and from home. Of course they two now abode together, for the reason, of course, that they two were esponsed.

After a time he then said: "I am ill." So then, his people marveled at what he said, for the reason that they did not know what it was for one to be ill. So, therefore, at the time when they comprehended what had oeeurred in regard to him, they, of comre, individually, as was customary, studied the matter, and informed the man who was ill what to do. It would seem, one would imagine, that his illness did not abate thereby, even though many different persons made the attempt, and his reeovery was yet an unaccomplished task. So thus it stood; they continued to seek to divine his Word. Then, therefore, when they failed to cure his illness, they questioned him, saying: "How, then, perhaps, may we do that thon mayest recover from thy

ilhess:" Then he answered them, saying: "I am thinking that, perhaps, I should recorer from my ilness if ye would upront the tree standing in my dooryard [on my shade], and if there beside the place from which ye uproot the tree I should lay myself in a position recumbent."
So thereupon his people uprooted the tree that stood in his dooryard. This tree belonged to the species wild cherry [dogwood; in Tuscarora, Nakwěunne" "iěñthued, and was eonstantly adorned with blos-oms that gave light to the people dwelling there; for these flowers were white, and it was because of this that the blossoms gave light, and, therefore, they were the light orb [sim] of the people dwelling there.

So when they had uprooted the tree, he said to his sponse: "Do thou spread for me something there beside the place where stood the tree." Thereupon she. in faet, spread something for him there, and

| Wên'tăne"? recorer ting health | $\cdots \quad \begin{gathered} \quad T a^{\prime} \\ \text { So, } \end{gathered}$ | e'tho'ne", <br> at that time, | ia'kern <br> it jesaid, | thota'tir ${ }^{\text {© }}$ he replied | $\begin{aligned} & \text { ne' } \\ & \text { the } \end{aligned}$ | $\begin{gathered} \text { O' }^{\prime} 1 \mathrm{l} \times \\ \text { also } \end{gathered}$ | $\begin{aligned} & \text { W} \dot{i}^{6} \\ & \text { he } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\text { hĕñ'ro }{ }^{n} \text { : }$ <br> it said: | " I'ke"re" <br> "I it think | $\begin{aligned} & \text { on'te }^{n+1} \\ & \text { it may } \\ & \text { be } \end{aligned}$ | aonsakie <br> I would re hea | tǎne <br> my | $\begin{aligned} & \text { to'kă } \\ & \text { if } \end{aligned}$ | aesewa <br> you it shou | aroñ- <br> tree <br> nld |
| $\underset{\text { uproot }}{\text { tota'ko }}$ | né akwi | กัno 'ser: <br> y yard in | $\begin{array}{rr} \text { I'ke }^{\prime} k & \text { i'kě }^{\prime} k \\ \text { it is } \end{array}$ | $k^{6} r^{\prime}{ }^{\prime} h i$ <br> it tree sta |  |  | $\begin{gathered} e^{\prime \prime} \\ \text { there } \end{gathered}$ |

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its cause it (is) light the itsflowers the where it (is) white so it (is)

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$1 \cdot$

13


[^84] uprooted. Here the narrator intended the logwond, although he gave the name for wild cherry.
he then lay down on what she had spread for him. And so, when he lay there, he said to his spouse: "Here sit thou, beside my body." Now at that time she did sit beside his hody as he lay there. He then said to her: "Do thou hang thy leg's down into the abyss." For where they had uprooted the tree there came to he a deep hole, which extended through to the nether world. and the carth was upturned about it.

That, then, it is true. came to pass, that while he lay there his suffering was mitigated. All his people were assembled there, and moreorer, they had their eye; fixed on him as he lay there ill, marreling at this thing that had befallen him himself: for the people dwelling here did not know what it is to be ill.. So then, when he had, seemingly, recovered from his illness, he turned himself over.

turning upon his side, and then, resting himself on his elbows, he at the same time looked into the hole. After a while he said: "Do thou look thither into the hole to see what things are oceurring there in yonder place." He said this to his spouse. Thereupon she bent forward her body into the hole and looked therein. Whereupon he placed his fingers against the nape of her neck and pushed her, and she fell into the hole. Then he arose to a standing posture, and said to his people: "Now do ye replace the tree that ye have uprooted. Here, verily, it lies." They immediately reset the tree. so that it stood just as it did before the time they uprooted it.

But as to this woman-being, she of course fell into the hole, and kept falling in the darkness thereof. After a while she passed through it. Now when she had passed through the thickness thereof to the other

world, she of course looked about her in all directions, and saw on all sides of her that everything was blue in color; that there was nothing else for her to see. She knew nothing of what wonld, perhaps, happen to her. for she did not cease from falling. But after a time she looked and saw something; but she knew nothing of the thing she saw. But, verily, she now indeed was looking on a great expanse of water. albeit she herself did not know what it was.

So this is what she saw: On the surface of the water, floating about hither and thither, like veritable canoes, were all forms and kinds of ducks (waterfowl). Thereupon Loon noticed her, and he suddenly shonted, saying: "A man-being, a female one is coming up from the depths of the water." Then Bittern spoke in turn, saying: " she is not indeed coming up out of the depths of the water." He said: "She is indeed falling from above." Whereupon

they held a council to decide what they should do to provide for her welfare. They finally decided to invite the Great Turtle to come. Loon thereupon said to him: "Thon shouldst float thy body above the place where thou art in the depths of the water." In the first place, they sent a large number of ducks of various kinds. These flew and elevated themselves in a very compact body and went up to meet her on high. And on their backs, thereupon did her hody alight. Then slowly they descended, bearing her body on their backs.

Great Turtle had satisfactorily caused his carapace to float. There upon his back they placed her. Then Loon said: " Come, ye who are deep divers, which one of you is able to dive so as to fetch up earth?" Thereupon one by one they severally dived into the water. It was at

this time that Bearer made the attempt and dired. The time was long and there was only silence. It was a long time before his back reappeared. He came up dead, his breathing having failed him. Thereupon they examined his paws, but he had brought up no earth. Then Otter said: "Well, let it be my turn now; let me make another attempt." Whereupon he dived. A longer time elapsed before he came to the surface. He also came up dead in his turn. They then examined his paws also. Neither did he, it is said, bring up auy earth. It was then that Muskrat said: "I also will make the desperate attempt." So then he dove into the water. It was a still longer time that he, in turn, was moder water. Then, after a while. he floated to the surface, coming up dead, having lost his breath. Thereupon, again, they examined the inside of his patws also. They found mud. He bronght up his pars and his mouth full of mud.


It was then that they made use of this mud. They coated the edge of the earapace of the Great Turtle with the mud. Now it was that other muskrats, in their turns, dived into the water to fetch mud. Ther floated to the surface dead. In this way they worked until they had made a circuit of the carapace of the Great Turtle, placing mud thereon, mutil the two portions of the work came together. Thereupon Loon said: "Now there is enough. Now it will suffice." Thereupon the muskrats ceased from diving to fetch up mud.

Now. verily, this mam-being sat on the carapace of the Great Turtle. After the lapse of sufficient time, she went to sleep. After a while she awoke. Now then, the carapace of the Cireat Turtle was covered with mud. Then, moreover. the earth whereon she sat had become enlarged in size. At that time she looked and saw that willows had grown up to bushes along the edge of the water. Then also, when
she again awoke, the carcass of a deer. recently killed, lay there, and now besides this, a small tire burned there, and besides this, a sharp stone hay there. Now, of course, she dressed and quartered the carcass of the deer and roasted some pieces thereof, and she ate her fill. So, when she had finished her repast, she again looked about her. Now, assuredly, the earth had increased much in size, for the earth grew very rapidly. She, moreover, saw another thing; she saw growing shrubs of the rose-willow along the edge of the water.

Moreover, not long after, she saw a small rivulet take up its course. Thus, then, things came to pass in their turn. Rapidly was the earth increasing in size. She then looked and saw all species of herbs and grasses spring from the earth, and also saw that they began to grow toward maturity.


Now also, when the time had come for her to be delivered, she gave birth to a female man-being, a girl child. Then, of course, ther two, mother and daughter, remained there together. It was quite astonishing how rapidly the girl child grew. So then, when she had attained her growth, she of course was a maiden. They two were alone; no other man-being moved about there in any place.

So then, of course, when she had grown up and was a maiden, then, of course, her mother was in the habit of admonishing her child, saying, eustomarily: "Thou wilt tell me what mamer of person it is who will visit thee, and who will say customarily: 'I desire that thou and I should marry. Do not thou give ear to this; hut say, customarily: 'Not until I first ask my mother."

Now then, in this manner, matters progressed. First one. then another, eame along, severally asking her to become his wife, and she

customarily replied: "Not until I first ask my mother:" When she would tell her mother what manner of person had asked her to marry him, her mother would answer, saying customarily: "No; he is not the person." But after a while the maiden said: "One who las a deep fringe along his legs and arms paid a risit." The elder woman said: "That is the one, I think, that it will be proper for you to marry." Thereupon she returned to the place where the young man stood. She said: "We should marry, she says." The young man answered, saying: "When it is dark, I shall return." so then, when the appointed time arrived, he also came back. Then it was that he paid court to her. But. I think, they two, he and the maid, did not lie together. When she lay down so that she

could sleep, he laid one of his arrows beside her body. Thereupon he departed. Then, at his return, he again took his arrow and departed again, carrying the arrow away with him. He never came back afterward.
After a while the elder woman became aware that the maiden was growing in size, cansed by the fact that she was pregnant.

So when the day of her delivery had come, she brought forth twins. two mate infants. But during the time that she was in travail, the maiden heard the two talking within her body. One of them said: " This is the place through which we two shall emerge from here. It is a much shorter way, for, look thou, there are many transparent places." But the other person said: "Not at all. Assuredly, we should kill her by doing this thing. Howbeit, let us go out that other way, the way that one, baving become a human being, will use as an exit. We will turn around and in a downward direction we two will

go." So then the former one confirmed what this one had proposed, when this one said: "Thus it shall continue to be."

But, however, he now contested another matter. He did not comply when the second one said: "Do thon take the lead." He said: "Not at all; do thon go abead." So then it was in this manner that they two contended, and he who said: "Right in this very place let us two go straight out, for assuredly this way is as near as that," gained his point. Finally, the other agreed that he himself should take the lead. At that time, then, he turned about, and at once he was born. So at that time his grandmother took him up and cared for him. Then she laid him aside. At that time she again gave attention to her [the daughter], for now, indeed, another trawail did she suffer. But that other one emerged in another place. He came out of her armpit. So, as to him, he killed his mother. Then, his

grandmother took him up and attended to his needs also. She completed this task and laid him alongside of the one who had first come. So thereupon she devoted her attention to her child who was dead. Then, turning herself about to face the place where she had laid the two infants, she said: "Which of yon two destroyed my child!" One of then answered, saying: "Verily, he himself it is, I believe." This one who had answered was a rery marvelonsly strange person as to his form. His flesh was nothing but flint. " Over the top of his head there was, indeed, a sharp comb of flint. It was therefore on this accomnt that he emerged by way of her ampit.

But the flesh of the other was in all respects similar in kind to that of a man-being. He spoke, saying: "He himself, indeed, killed her." The other one replied, saying: "Not at all, indeed." He again


[^85]said: "Indeed, he himself killed her." Thus then. in this manner, the two debated. But he who was guilty of killing her did not swerve from his denial, and so then he finally won his point. Whereupon their grandmother seized the body of him whose flesh was verily that of a man-being and with all her might cast him far into the bushes. But the other, whose flesl was flint, was taken up and cared for by her. And it was also wonderful how much she loved him.

Now, in its turn, she again laid her hands on the flesh body of her girl child, who was verily now not alise. She cut off her head and said: "Eren though thou art now dead, yet, albeit, thou shalt continue to have a function to perform." And now she took up the flesh body and hung it on a tree standing hard by her lodge, and she said: "Thou shalt continue to give light to this earth here present. But the head also she hung in another place, and she said: "Thou also

shalt continue to have a function. Thou shalt have less power to give light." Thus then she completed her arrangements for supplying herself with light. Now, assuredly, she had made fast the sun for herself, and also the moon. She imposed on them the duty of furnishing her with light for their part. Verily. indeed, it was the head of her girl child who was dead that she used to make the moon, but her body she made into the sun. They were to be fixed always in one place, and were not to be moring from place to place. Now, besides this, she restricted them to herself and her grandson, saying: "We two, entirely alone, shall ever be supplied by this light. No other person shall use it, only we two ourselves."

When she had now, indeed, finished all of her task. she was surprised by the moring of the grasses at the spot whither whe had cast the other one of her grandchildren. He was alive: he had

not died：for she thought when she had cast him far away that he would，of course，die，but，howheit，he had not died．He walked about there among the bushes．But after a while he came thence toward the lodge of his grandmother，but she ordered him away， saying：＂Go thou far off yonder．I have no desire whaterer to look on thee，for thou it is，assuredly，who hast killed my girl child．So， then，therefore，go thou far off yonder．＂Verily，he then went from there．But，albeit，he was moving aboat in a place not far from the place where the lodge stood．Besides this the male child was in good health，and his growth was rapid．

After awhite he made for himself a bow and also an arrow． Of course he now went about shooting from place to place．He went，indeed，about from place to place，for now，of course，the earth was indeed of considerable size．The earth，indeed，verily

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he went indeed，because

continued to grow in size. So at times he would return to the side of the lodge. The other boy, his younger brother. looked and saw that he had a bow and also an arrow. Then he spoke to her, his grandmother, saying: "Thou shouldst make for me a bow and also an arrow, so that I also should have them." So, thereupon, she made him a bow and also an arrow; and, then, therefore, they hoth had bows and arrows.

So now, rerily, they two wandered about shooting. So then he whose body was exactly like that of a man-being went in his shooting along a lake shore, even at the water's edge. 'There stood at clump of bushes there, whereon rested a flock of birds. He shot at them and ther flew orer the lake, but the arrow fell into the water. Thereupon he went thither to the water's edge and cast himself into the lake; he desired to go and recover his arrow. So when he leaped into the

water. he did not feel that he had plunged into the water, beeause he fell supine on the ground. There was no water there. He arose and wan surprised that a lodge stood there, and that he had arisen beside the doorway. He looked into the lodge and saw a man sitting therein. The man who was sitting in the lodge said: "Enter thou here." So then he entered, and he who sat therein said: "Thou hast now arrived. I assuredly invited thee that thou shouldst come here. Here, then, lies the reason that I sent for thee. It is because I hear customarily the kind of language thy grandmother uses toward thee. She tells thee that she does not love thee. and the reason of it is that she believes that what Tawi'skaro" customarily says is true. He says. customarily, of course, that thou killedst her who was the mother of

you two. Now. what he customarily says is not true, and the grandmother of you two firmly believes the things that he says; so that is the reason that I desire that thou shouldst come hither. For the faet is, she discriminates between you two, loving him, but not thee. Here, then, I have made a bow and an arrow as well for thee. Here, then, take them." So thereapon he aceepted them. They were marvelously fine in appearance. He said: "Thou must make use of these as thou goest about shooting, for sometimes thou hast asked thy grandmother to make thee a how somewhat better than the one thon madest for thyself, yet she would, customarily, not give ear to it, and besides that she would habitually refuse, and then order thee away. She would eustomarily say: 'Go thou from here. I have no desire to be looking at thee, for thou art the one assuredly who killed my girl child.' Now this, eustomarily, was the kind of diseourse she spoke. So now, then, another thing. Here, of eourse, are two

ears of sweet corn．These thou must take away with thee．One of the ears is not yet ripe；it is stiil in its milky state，but，as to the other．it is mature．Thon must take them with thee．As to the one in the milky state，thou must roast it for thyself：but as to the one that is mature，it shall be for seed corm．＂Thereupon，then，when he had finished speaking，telling him all things，he said：＂Here they are， then．＂Whereupon he took them．

It was at this time also that he told him，saying：${ }^{\circ}$ But，as to that，I am thy parent．＂That was said by him whose lodge stood there and who is the Great Turtle．Then the young man departed．
So then when he had returned home in traveling，he would habitu－ ally run along the lake shore and would say，customatily：＂Let this earth keep on growing．＂He said：＂People call me Maple Sprout
 he young man．

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[^86][Sapling]." Verily, as far as he customarily ran, so far the earth grew anew, and. besides that, maple saplings customarily would produce themselves. So then, it was his custom to do thus. On whaterer side in turn he would run along the shore of the lake, just as far as he would rum. just so far would this come to pass: new earth would form itself, and also maple saplings formed themselves into trees. He also said, customatily, as he ran along: " Let the earth increase in size " and: "Maple sapling will people habitually call me." Thus it was. by means of this kind, that the earth became enlarged to the size it now has when we look at the size of this world.

So then, at this time, in turn, he formed severally the various bodies of the animals. Therefore, Sapling customarily would take up a handful of earth, and would cast it upward. Customarily. many hundreds of living things, as many as the handfuls he threw up,

flew away in different directions. He customarily said: "This shall continue to be your condition. When ye wander from place to place. ye must go in flocks." Thereupon a duty devolved upon this species of animals; for example, that they shonld habitually make roosts. Now, of course, different amimals were severally asked to volunteer to aid man. Whicherer of them would give eir to this, would say to it: "I, I think, will volunteer." Thereupon they would customarily ask him, suying: " Well then. permit us to see in what way thon wilt act when thou protectest thy ofl'spring." The Bear, therefore, volunteered. Now then he acted so rudely that it was very marvelously terrifying. The manner in which he would act ugly would, I think. kill people. Thas, indeed, he exhibited to them how he would defend his offspring. They said: "Not at all, we think. shouldst thou voluntecr." Whereupon, of course. others

offered themselves as volunteers. Nevertheless, none were atceptable. because their methods of defending their offspring were terrible. So one after another rohnteered. After a while the Pigeon said: "It is time now. I think. that I should volunteer." Whereupon, assuredly, they said: "How then witt thou do when thou protectest thy offspring? Let us see." Then Pigeon flew hither and thither, uttering eries as it went. Then sometimes it would again alight on a bough of a tree. In a short time it would again fly, winging its way from place to place, uttering cries. So then they said: "Now, this will be suitable." At the same time they had lying by them a dish containing bear's oil; they therein immersed Pigeon, and they said: "So fat shall thy offspring customarily be." It is for this reason that the young of the pigeon are as fat as a bear usually is.


During this time Tawískaro ${ }^{\text {n }}$, was watching what Sapling was doing. Thereupon he began to imitate him by also making animal bodies. But this work was too difficult for him to allow his doing it correctly. He failed to make correctly the bodies of the animals just as they are. He formed the body of a bird as he knew it. So, when he had finished its form, he let it go, and now, I think, it flew. Forsooth, it succeeded in flying, but it flew without any objective point. And, I believe, it did not become a bird. Now then he had completed the body of what we know as the bat. So then, when he, Sapling, had completed in their order the bodies of the marvelously various kinds of animals, they began to wander over the face of the earth here present.

Then, as Sapling was traveling about over the face of the earth, he, after a while, marveled greatly that he could not in any


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it earth present (is).

place still see the different kinds of animals. Therenpon he traveled about over the face of the earth seeking for them. He also thought, forsooth: "This is an astonishing matter; where, perhaps, have they gone-they, the animals whose bodics I have made?" So then, while he went from place to place, and while he was looking for the animals, he was startled. Near him a leaf made a noise, and looking thither he was surprised to see a mouse peering up there among the leares. The mouse that he saw is called the Deer-monse, and, of course, he had intended to shoot it, but the Deer-mouse spoke to him, saying: "Do thou not kill me. I will tell thee then where have gone those things thou art seeking, the animals." So then in truth he resolved not to kill it, and then he spoke and said: "Whither then have the animals gone?" Thereupon the Deer-mouse said: "In that direction there is

a range of great mountains of rock. There in the roeks they abide, and are indeed shut up. If, when thou arrivest there, thou lookest, thou wilt see a large stone placed over the eavern, which stone one has used for the purpose of closing it up. It is Tawr'skaron himself and his grandmother who have together done this; it is they who imprisoned the animals." So then, therefore, he went thither. It was true then that a stone lay over the plaee where was the opening into the rock; it was closed therewith. So he then removed the stone from it, and he now said: "Do ye all come forth. For, assuredly, when I caused you to be alive, did I intend that ye should be imprisoned here! Assuredly. I intended that ye should continue to roan from place to place orer this earth, which I have caused to be extant." Thereupon they did in faet eome forth. There was a rumbling sound, as their feet gave forth sounds while

they kept coming forth. So, at this time, the grandmother of Tawǐ'skaro" said: "What thing, perhaps, is now happening? There is a rumbling sound." She thus addressed her grandson, Tawi'skaron". Before Tawi'skaron" could reply, she spoke again, saying: "It is true, undoubtedly, that Sapling has found them there where thou and I have the aniwals imprisoned. So then, let us two go at once to the place wherein we two inumured them." Then at once they two went out, and without delay ran thither. So when they two arrived there, it was even so; the Sapling stood there, having opened the cavern in the rock, and verily a line of animals ever so long was running. The two rushed forward and took up the stone again, and again shut in those that hard not come out, and these are animals great in size and now dwelling therein.


Sapling kept saying: "Do ye two not again immure them." Nevertheless, Tawǐ'skaro ${ }^{n}$, and his grandmother just placed thereon other stones. So then the kinds of animals that we know are only those that came out again.

So then it came to pass that Sapling, as he traveled from place to place, went, after a while, along the shore of the lake. There, not far away, he saw Taw'skaro", making for himself a bridge of stone [ice] across the lake, which already extended far out on the water. Thereupon Sapling went to the place where he went on working. So then, when he arrived there, he said: "Tawi'skaron", what is this that thou art doing for thyself?" He replied, saying: "I am making a pathway for myself." And then, pointing in the direction toward which he was building the bridge, he added: "In that direction there is a land where dwell great animals of fierce dispositions. As soon as I complete my

aThis incident shows definitely that Flint, or rather lee-eoated or Crystal, is the Winter power. There is here a substitution of roek for iee, just as there has been in the name of this important nature force.
pathway to that other land, thereon will they habitually come over. Along this pathway will they be in the habit of coming aeross the lake to eat habitually the flesh of human beings who are about to be [who are about to dwell here] on this earth." So then Sapling said to him: "Thou shouldst cease the work that thou art doing. Assuredly the intention of thy mind is not good." He replied, saying: "I will not eease from what I am doing, for, of course, it is good that these great animals shall be in the habit of coming hither to eat the flesh of human beings who will dwell here."

So, of course, he did not obey and case from building the bridge for himself. Thereupon Sapling turned baek and reached dry land. So along the shore of the sea grew shrubs. He saw a bird sitting on a limb of one. The bird belonged to the class of birds that we


[^87]are accustomed to eall the bluehirds. Sapling then said to the Bluebird: "Thou shalt kill a cricket. Thou shalt remove one hind leg from it, and thou shalt hold it in thy mouth, and thou shalt go thither to the very place where Tawi'skaron ${ }^{n}$ is working. Hard by the place where he is working thou shalt alight, and thou shalt cry out." The bird replied, saying: "Yo" [rery well]."

Thereupon it verily did seek for a cricket. After a while it found one, and killed it, too. Then it pulled out one of its hind legs and put it into its mouth to hold, and then it flew, winging its way to the place where Tawi'skaron' was at work making himself a bridge. There it alighted hard by him at his task. Of course it then shouted, saying: "Kwe', kwe', kwe', kwe', kwe‘." "a Thereupon Tawi'skaron" upraised


[^88]his head and looked and saw a bird sitting there. He believed from what he saw that it held in its mouth the thigh of a man-being, and also that its mouth was wholly covered with blood. It was then that Tawi'skaron' sprang up at once and fled. As fast as he ran the bridge which he was making was dissipated. ${ }^{\text {a }}$
Now then, verily, the father of Sapling had given him sweet corn, and now he roasted this corn. A great odor, a sweet odor, was diffused. So when the grandmother of Tawískaron" smelt it, she said: "What other thing again is Sapling roasting for himself?" She addressed Tawi'skaro" saying: "Well, let us two go to see it, where he has his fire built." Now, of course, they two had at once uprisen, and they


[^89]two ran. They two arrived where he had kindled his fire, and they two saw that it was true that he was roasting for himself an ear of sweet corn. Verily, the fatness was issuing from it in streams on the grains, along the rows of grains until only the cob was left, so fat was the corn. The grandmother of Tawi'skaro"" said: "Whence didst thou bring this?" He replied: "My father gave it to me." She answered, saying: "Thou dost even intend that the kinds of men who are to dwell here shall live as pleasantly as this, here on this earth." And just then she took up a handful of ashes, and she cast them on the ear of corn that was roasting. At once the fat of the corn ceased from issuing from the roasting ear. But Sapling very severely rebuked his grandmother for doing this. Whereupon he again took up the ear of corn and wiped off the ashes that had fallen upon it. Then he again set it to

roast: but it was just possible for it to exude only a small amount of fatness again, as it is now when one roasts ears for himself. It is barely visible, so little does the fatness exnde.

Now the grandmother of Sapling fetched ripened corn that Sapling had planted, and she shelled it. Then she ponred it into a mortar. And now she took the pestle and with it pounded the corn, and she made haste in her pounding, and she said: "Verily, thou wouldst have mankind exceedingly well provided. Verily, they shall customarily be much wearied in getting bread to eat. In this manner then shall they customarily do with the mortar and also the pestle." She herself had finished them. Whereupon Sapling rebuked her for what she had done. He, in regard to this matter, said: "That which thou hast done is not good."
Then, verily, while Sapling was traveling, he was surprised to find

that it became dark. So then he mused, saying: "Why, this seems to be a marvelous matter, this thing that thus takes place." Thereupon he returned homeward. Arrived there, he found the sun in no place whatsoever, nor did he find Tawis'skaron' and his grandmother. It was then that he looked about him. So then he looked and saw a light which was like the dawn. Therefrom he understood that the sun was in that place. He therefore sought servants who would accompany him to fetch the sun. Spider volunteered; so also did Beaver; so also did Hare; so also did Otter. So at this time they made themselves a canoe. When they had completed the canoe, they all then placed themselves in the canoe, and they then of course began to paddle, directing their course toward the place where the dawn shone forth, toward the

place where lay the sun. The trees stood together, and on their tops lay the sun. So then Sapling said: "Thou, Beaver, do thou cut down the tree; and thou, Spider. shalt climb the tree, and at the top of the tree thou shalt fasten thy cord. Then thou shalt descend, hanging by thy cord, until thou reachest the ground." And he said to Hare: "As soon as the tree falls, thou must seize the sun. Thou art assuredly an adept at skulking through the underbrush. No matter how difficult the ground be, thou art able of course to flee by stealth, if at this time it so be that one pursue thee from place to place." He said: "But thou, Otter, shalt care for the canoe. If it be so that we all get aboard the canoe, thon shalt turn baek the canoe at once."


All this, then, came to pass. Beaver, of course, worked there, biting out pieces from the tree; and Spider, for his part, climbed to the tree top, and having reached the top, he then, verily, fastened his cord about it. Thereupon le let himself down, and again alighted on the earth. So then, when there was, of course, little to cut, and the prospect was encouraging that it would be possible to fell the trce, then Spider pulled on the cord. Then, in fact, the tree toppled over. Thereupon Hare rushed forward and seized the sun, for, indeed, Tawi'skaron' and his grandmother both came running up. It was then that Hare fled, taking the sun away with him. Now, of course, they pursued him in many places; he fleetly scurried through the shrubbery. After a time he directed his course straight for the canoe; for then,

indeed, the others, his friends, were aboard the eanoe. He came thither on the bound, and got aboard the canoe. At the same time with this, Otter pushed off the canoe, and they again began to paddle.

So then, as they rowed baek, Otter, it is said, did verily continue to talk. They forbade him, but he did not obey. Then a person struek him a blow with a paddle on his mouth. (It is for this reason that now the mouth of the Otter is such that one would think that it had been broken off long ago. His lower jaw is shorter than the upper. It is plain where one struck him with a paddle.)

So when they had arrived at home, Sapling said: "It shall not continue to be thus, that a single person rules over the sun." Then it was that he cast the sum up to the center of the sky, saying: "There where the sky is present, thereto must thou keep thyself
 ent
attached, and, besides this, thou shalt continuously journey onward." He pointed thither, and said: "The place where it plunges itself into the deep [that is, the west] people will habitually call the place whither thou shalt habitually descend, the place wherein thou shalt habitually be immersed. At these times, verily, darkness will come upon the earth present here; and 'The place where the sun rises [that is, the east]' people will habitually call the place whence thou wilt habitually peer out, and people will say, 'Now the Sun has come out.' Then shalt thon raise thyself upward therefrom. Thus thou shalt continue to have this function to perform. Thou shalt continue to give light to this earth." Besides this he said: "Whensoever mankind mention thee, they will ever say customarily: • He is the Great Warrior who supplies us with light.'" So then, in its turn, now came of course the luminary, the Moon, which was his mother's head,


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| ieñ"sanoñrvi're'te'. <br> there thou shalt be immersed. | E'tho'ne' <br> At that | wă'hĭ' <br> verily | $\begin{aligned} & \text { nearn' } \\ & \text { now } \end{aligned}$ | éntiokā'ra'hwe' <br> it shall become dark | $\begin{aligned} & \text { ne } \mathrm{dji}^{\prime} \\ & \text { the where } \end{aligned}$ | 4 |
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| "Whencver | the | man-being <br> (human) | thou | one th desig | $\begin{aligned} & \text { shall } \\ & \text { ate } \end{aligned}$ | $\begin{gathered} \text { one shall } \\ \text { to } \end{gathered}$ | ntinue | customarily: |



|  | e'tho'ne' <br> at that <br> ume | něñ' | noñ'wă' <br> the present <br> time | ne'ne' $\begin{aligned} & \text { the } \\ & \text { that } \end{aligned}$ |  |  | $\begin{aligned} & \text { ne' } \\ & \text { ne } \end{aligned}$ | wă'h $h \grave{\prime}$ verily |  | ' |
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and which his grandmother had also placed on the top of a standing tree. This, too, he threw up to the sky, saying: "The power of thy light at night shall be less." He added: "At times they will see thee in full. Every night thy size shall diminish until it is gone. Then again, thou shalt every night increase in size from a small beginning. Every night, then, thou shalt grow until the time comes when thou hast eompleted thy growth. So now, thus it shall be as to thy mode of existence." Moreover he said: "Whenever mankind who shall dwell here on earth mention thee, they will keep saying eustomarily: 'Our Grandmother, the luminary pertaining to the night.'"
Then Sapling now formed the body of a man " and also that of a woman [of the race of mankind]. His younger brother, Tawi'skaron',


[^90]watehed him there. So then, when he had, of eourse, eaused them to live, he placed them together.

Then it was that Sapling started upon a journey to inspect the eondition of the things he had finished on the earth then standing forth. Then, at that time, he came again to review those things and to see what things man [of the human race] was doing.
Then he returned to the place in whieh he had given them liberty. So then he found the two doing nothing except sleeping habitually. He merely looked at them, and went away. But when he eame again their eondition was unehanged; they slept habitually. Thus then, in this manner matters stood the rery few times he visited them: the eondition was unehanged; they slept customarily. Thereupon he took a rib from each, and substituted the one for the other, and replaced each one in the other body Then, of course, he watehed them,


21 eth-03- 21
thinking of what perhaps might now happen. It was therefore not long hefore the woman awoke. Then she sat up. At once she touched the breast of the man lying at her side, just where he had plaeed her rib, and, of course, that tickled him. Thereupon he awoke. Then, of course, that matter was started-that matter which concerns mankind in their living; and they also started that matter for which in their kind their bodies are provided - that matter for which reason he is a male human being and she a female human being.

Then Tawískaro ${ }^{n}$, also formed a human being, but he was not able to imitate Sapling, as the form of the human being he poorly made showed. Ta wískaro ${ }^{n}$ ' addressed Sapling, saying: "Do thou look, I also am able, myself, to form a human being." So when Sapling looked at that which

made him say "I am able to form a hmman being," he saw that what he had formed were not human heings at all. The things he formed were possessed of human faces and the bodies of otkon [monsters], subtly made otkon. Sapling spoke to him, saying: "That assuredly is the reason that I forbade thee, for of conse thon art not able to do as I myself am doing continually." Tawǐ'skaro" answered, saying: "Thou wilt nevertheless see that I can after all do as thyself art doing continually, hecause, indeed, I possess as much power as thou hast." Now, rerily, at this time they two separated. And now, Sapling again traveled from place to place on the surface of the earth. He went to view things that he had completed. After a while, then, Sapling promenaded along the shore of the sea. There he saw Tawi's-

karo ${ }^{\text {n }}$ standing abont in different places. At the water's edge lay the body of a man-being who was as white as foam ${ }^{a}$. When Sapling arrived there, he said: "What is this that thou art doing?" Tawis'skaron" replied, saying: "Assuredly, I have made the body of a male man-being. This person whose body lies here is better-looking than is the one whom thou hast made." Assuredly, I have told thee that I have as much power as thou hast; yea, that my power is greater than is thy power. Look thon, assuredly his body is as white as is the body of the one whom thou last formed." Sapling answered, saying: "What thou sayest is assuredly true. So then, if it be so, let me be looking while he makes movements of his body and arises. Well, let him stand, and also let him walk." Whercupon Flint said: "Come! Do thou
a This man-being was Snow, Winter's handiwork. The life with which this man being was endowed by Sapling is tinat which enables the snow to return every winter. Otherwise it eould never have returned.
arise." But he that lay there did not make a single movement. Then, of course, Tawi'skaron' put forth all his skill to cause this being to live and then to arise. He did everything possible to do it but he could not effeet his purpose and failed to cause him to come to life, for he did not come to life. Then Sapling said: "Is this not what I have been saying, that thou art not able to do as I can do?" He added: "What purpose, in its turn, will be served by having his body lying here, having no life? Is it only this, that he shall always lie here? That is the reason that I habitually forbid thee to make also the things that thon seest me making; for, assuredly, thou art not able to do the things that I am doing." So then, of course. Tawr'skaron' said: "Well, then, do thou cause that one there to live." So, in truth, Sapling consented to this. He drew near to the place where the man






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|  |  | wă | $\check{c ̌}^{\text {n }} \mathrm{w}$ | te's'te | . ne' | $\mathrm{kec}^{\text {n }}$ " | rāiă tioñ̀nı̆ | iă ${ }^{6}$ |
| "What kind of thing |  |  |  | lise of | the | ${ }_{\text {lerem }}^{\text {liere }}$ it is | he his body lies extended | not |
| ro'n'he’. | $\mathrm{Ne}{ }^{\prime}$ | $o^{\prime} \mathrm{k}$ ' | kěn ${ }^{\text {c }}$ | ne' | tiiot'ko ${ }^{\text {n* }}$ | $\mathrm{e}^{\prime \prime}$ | ên ${ }^{\text {nchāiă’tioñ' }}$ | '? |
| he lives. | The | ouly | it | the | always | there | his body ${ }^{\text {n }}$ |  |



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| wa'satkăt'ho' thon didst see | wă’koñ'nŭ 1 it made | no'k' | $\begin{aligned} & \text { ha're' } \\ & \text { aganin } \end{aligned}$ | $\begin{aligned} & \text { i'se' } \\ & \text { thoun } \end{aligned}$ | wă‘soñ'nı̆. thou it madest. | lă’, $\text { Not } 10$ |




| se' | $0^{6}$ | te | To'kén ${ }^{\text {' }}$ ke' | kā̄'tı' | ne' | กับi'M. ${ }^{\text {c }}$ |  |
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| hou | there | do tho | Truly | so then | the | 1t Sapling | 13 |


| wă'hathoñ'tate". | E ${ }^{\text {e }}$ | kā'tĭ | niiă'la' ${ }^{\text {cee }}$ | dji ${ }^{\prime}$ |  | tii ${ }^{\text {chn }}{ }^{\text {n\% }}$ |  |
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| he it consented to | There | so then | $\underset{\substack{\text { sot thither } \\ \text { he went }}}{\text { ore }}$ | where | his body lay | and | 14 |

lay, and bent orer and breathed into his nostrils, and he at once began to breathe, and lived. He said to him: "Do thou arise and also do thou stand, also do thou keep traveling about on this earth." The body of a woman had he also formed at that place. Sapling caused both of them to live.
Tawi'skaron' spoiled and undid some of the things that Sapling had prepared. The rivers to-day in their different courses have been changed, for, in forming the rivers. Sapling provided them with two currents. each rumning in a contrary course, currents made for floating objects in opposite directions: or it may be that it is a better explanation to say that in the middle of the river there was a division, each side going in a direction contrary to that of the opposite side. because Sapling had intended that mankind should not have, as a usual thing, any difficult labor while they should be traveling. If, for any reason, a

person would wish to descend the current, it would indeed not be a difficult matter simply to place himself in a eanoe, and then, of course, to descend the current of the river; and then, if it should be neeessary for him to return, he would, of course, paddle his canoe over to the other side of the river, and just as soon as he passed the division of the stream then, of eourse, his canoe would turn baek, and be would then again be descending the current. So that is what Sapling had intended; that mankind should be thus fortunate while ther were traveling about on rivers, but Taw'skaro ${ }^{n}$ ' undid this.

Now, moreover, Taw'skar $\cdot o^{n}$ ' himself formed these uplifted mountains: these mountains that are great, and also these divers rocky cliffs-he himself made them, so that mankind who would dwell here would have cause to fear in their continual travelings.


Now, moreover, Sapling and also Tawi'skaron' dwelt together in one lodge, eaeh oceupying one side of the fire opposite to that of the other. It was then, verily, usual when they two had returned to abide in the lodge, that Tawi'skaron ${ }^{n}$ kept questioning Sapling, asking him what object he feared, and what would most quiekly kill him. Sapling replied: "A weed that grows in the swampy plaees, a sedge ealled 'it-cuts-a-person,' is one thing. I think, when I do think of it, that that weed struek against my body by someone would ent it. I do believe that it would cut through my body." Then Tawi'skaron" replied, saying: "Is there no other object whieh gives thee fear?" Sapling, answering, said: "I usually think that the spike of a eattail flag would kill me if one should strike me on the body with it." (These two things that Sapling spoke of, his father had told him to say, when he had been at his father’s lodge.)


At that time Sapling said: "What thing then dost thou fear?" Tawiskaron" said: "Yellow flint. and also the horns of a deer. I suppose, when I do think of it, that I should perhaps die at once should one strike me with either."

So after that when Sapling traveled, it he saw a stone of the yellow chert kind, he would customarily pick it up and place it high on some object, and also, if he saw a deer's horn. he would pick it up and would place it high on some olject.

Then, verily, it came to pass that they two had again returned home. The height of one side of their lodge was not great, but the height of the other side was greater. Sapling occupied the side which had the greater and Tawi'skaro ${ }^{n}$ " the side which had the lesser height. Then it




| wă 'hatkăt'ho' <br> he it saw | kaněñ'iāiéen ${ }^{\text {. }}$ <br> it stone lies | $\begin{aligned} & \text { ne } \\ & \text { the } \end{aligned}$ | okarakěñ'ră ${ }^{\text {© }}$ <br> it white-grained (tlint) | wā"tră‘kwe’ he it pieked |  |
| :---: | :---: | :---: | :---: | :---: | :---: |



the he he it pieked up high he it plaeed

was that Sapling increased the intensity of the fire by putting hickory hark on it. Then, assuredly, it became a hot fire, and then. assuredly, the legs of 'Tawi'skaron' began to chip and thake off from the intense heat of the fire. Then, of course, Tawi'skaron" said: "Thon hast made too great a fire. Do thou not put another piece of bark on the fire." But Sapling nevertheless put on the fire another piece of bark, and then, of course, the fire became greater. Now the fire was indeed hot, and now, too. Tawǐ'skaron's whole body was now flaking off in chert chips. Now, too, he was angry, beeause Sapling kept putting inore bark on the fire, and, besides that, his side of the lodge having only a slight height, he had only very little space in which to abide. Now he writhed in the heat: indeed. Tawi'skaron' became so angry that he ran out at once. and

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 noñka'tǐ" lĕñ'teron". Něñ ki" te‘hot‘hén'takĕñ'rié. Něñ'. kil",


| - So'tcľ | nĭ'sateiée ${ }^{\text {nb }}$ lıowa'nă'to ${ }^{\text {nt }}$. | 'To"sič | $o^{\prime} 1{ }^{\prime}{ }^{\prime}$ | sase 'hwāteľstoñt'ho |
| :---: | :---: | :---: | :---: | :---: |
| "Ton much | thou it fire hast caused to be great. | Do not do it | other it is | again thou bark put on fire. |


And the more only cus. capling again he bark put on

Now cus more it fire became great. Now verlly


only where justhis body it flakesoff in chips the chert (crystal). Now also


side of it he abides. Now, $\begin{gathered}l \\ \text { believe, le is rolling about in } \\ \text { the heat. }\end{gathered}$
Now, think,
verily there so he became angry the Flint the he went out of doors
(Ice, Crystal) at once
rumning into the marsh, he there broke stalks of the sedge ealled "it-cuts-a-person." Then he eame thence on a run to the lodge, and then said: "Sapling, I now kill thee," and then struek him blows with the stalks he had brought back. So then ther two now began to fight, the one nsing the stalk striking the other blows. But after a while Tawiskaro ${ }^{\text {n }}$ became aware that his blows against Sapling did not cut him. Whereupon he then darted out again, and then went to get this time the spike of the eattail flag. So then, as soon as he returner, he rushed at Sapling and struck him blows. Again his blows failed to cut him. Then it was that Tawiskar.on' fled, and then Sapling pursued him. Now, of course. they two ran. In every direction over the entire earth they two ran. So whenever Sapling saw a yellow flint stone or a deer horn on a high place he would customarily seize it suddenly, and would hit


Taw'skaro" theremith. Customarily chert chips would fly when he hit himb. Thus then he hit him as they went ruming. Whenever Sapling saw a horm or a yellow chert stone he would seize it suddenly and hit Taw'skaron' with it. Then after a while he killed him. Now, at this time, toward the west, where the earth extends thitherward, there lies athwart the view a range of large mountains that cross the whole earth. There, so it is said, his body lies extended. He fell there when he was killed. Now, besides, it is plain, when we consider in what condition the earth is, that when we look about we see that the surface is uneren, some places being high, even ranges of mountain, while some are for their part low. This was, of course, done by the two as they ran from place to place, fighting as they went. That is the reason that the surface of the earth is meven.

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| it yellow ehert | it stone | the | or | the | it deer | it horn |




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| én $^{\text {tewathăt'ho }}$ <br> we it shall see | tekoñtti•ha'nion" they differ among | that <br> Some | $\begin{gathered} \overline{\mathrm{e}}^{\prime} \text { nekĕen' } \\ \text { high } \end{gathered}$ | tio ${ }^{\text {n }}$ hwĕn- <br> it earth stands |
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djī̄te‘, iononta‘hrónio ${ }^{n}$. O'tiăke" e"tū'ke. nă" ne". Ne' 13
 verily the time they two ran about they two wentabout fighting $\begin{gathered}\text { fine there }\end{gathered}$

they two it rlid the where two earth differ from eaeh other plurally.

Now then, as it was the custom of Sapling to travel, he met a male man-being. Sapling said: "What dost thou as thou goest?" He replied, saying: "I come inspecting the earth, to see whether it is just as I put it forth." Sapling replied, saying: "Verily, indeed, this is a marvelous matter about which thou art now on thy way, for the reason that assuredly it was I, myself, who completed this earth." The other person answered and said: "Not at all; for I myself have completed this earth." Whereupon Sapling replied, saying: "Well then, if it be so, let it be made plain verily, that thou didst complete this earth. He added: "At our two backs, at a distance, there is a range of high mountains of rock which is in appearance tike a wall. so perpendicular are the rocks. Hither must thou move them close to thy body. If. perhaps, thon art able to do this, it will be certain

that thou didst indeed complete this earth; if thou wilt only speak, telling that mountain range to move itself hither." He added: "Now do it then." Thereupon the other person said: "Thus it will. I think, come to pass." Then he called out, saying: "Come thou, yon mountain range, move thyself hither. Do thou stand beside my body." But the mountain range remained there; the mountain was still there unchanged. It did not move thenee. Sapling spoke and said: "There, that is exactly what I have been saying, that thou hast not established this earth." The other person again replied, saying: "Well then, let it become evident, if it be true, that thon hast established the earth. Come then, do thou more that rock mountain hither." Sapling replied and said: "Thus then will I do." Thereupon he called out to the range of mountains. He said: "Come, move thyself hither." Then, verily, it moved itself
thence. Close to his body, at his back, did it come to a standstill. The cliff even lightly grazed his shoulder blades. Then Sapling said: "Now turn thyself around to the opposite side and look where the range of mountains is." Whereupon he turned about and the rock struck his nose and, as to him, his nose became awry. Then at that time he spoke, saying: "Truly, indeed, thou hast established this earth here present. It was not at all I who did it. If, then, thou wilt consent to it that I may live, I will then ever continue to aid thee. I will protect at all times thy people who are to dwell on this earth." Sapling replying said: "Truly it shall thus come to pass. Mask shall mankind ever call thee, and also Grandfather."

Then, verily, during the time that Sapling was again traveling to

our Grandfather also."14
Ne' kā'tĭ' wă'hй' né Oteroñtoñni'"ă' né dji' nă'he' wă’thata- The so then verily the It Sapling the where it lasts be traveled ..... 15
inspect anew the things that he had finished on this earth, then he saw another male man-being. He addressed him, saying: "W hat art thou doing on thy way?" The other said: "It seemed that it became necessary for me to see thee." Sapling replied: "That is undoubtedly true." The other person answered and said: "I desire that thou shouldst consent to permit me still to live. If thou wilt then consent to what I say, I will give assistance to thee; I will watch orer their bodies, and I will also give them life and support and, moreover, I will continue to defend mankind, whom thou wilt cause to dwell on this earth which thou hast completed." Replying, Sapling said: "Let me see what kind of power thou hast." Thereupon the male man-being, whose name of old is Hi'no ${ }^{\text {n }}$ ' [Thunder]. started upon a rum and went up into the clonds. Now, verily, rumblings were

 just thou art going abont He it said the other person: "It me beeame neeessary
doing?" ‘hwěñdjio'se’ ki" né akoñ'kěn"." Wǎ'hěñ'ro ne ne' Oteroñtoñni"'ă':
 "I'ke're' a'sathoñ'tăte'-kěn' né ako'n'heke'. 'To'kă't kā'tị "I it desire thoushouldst eon- eanst the Ilive should. If so then

 will watchover the also the 1 them will proteet now and 1 them will

 it earth is present the where thou earth hast completed." He spoke in reply the

 aneients,
heurd: it thundered in the clouds, and lightnings were also emitted, and moreover many flashes shot forth, seeming as though only one from their rapidity. So then the man-being descended again where Sapling was standing, and he said: "Now assuredly thou didst see what kind of power 1 have." Sapling, replying, said: "It is true indeed that thou art able to do just as thou didst tell me not long ago." Then he continued: "Art thou able to cast water habitually on this earth as the summers come?" The other answered, saying: "I am able to do so." Eapling said in reply: "So then let me see how thou wilt do this." The other person replied: "Yo'; so be it." Now he again ascended on high where the clouds are present. Now then again it thundered, and hesides, the lightning flashed, and the clouds

became thick, and besides this they became black. Then it came forward. from the sea did it come over the dry land, raining as it cane. It was marvelons as it came along. Then of course the rain passed. Then he again returned to the plave where Sapling was moring about. So then Sapling spoke to him, saying: "What thou art able to do is satisfactory. So it will indeed come to pass. It shall follow closely the co ase pointed out in thy request. So now, indeed, it will be thy duty to travel continually, for it was thou thyself that requested this. Do thon not then ever fail to do thy duty. Thon must, of course, ever be rigilant; if at whaterer time it he there come dangers to the lives of men because great serpents move from place to place in the depths of this earth and also in the sea; if it come to

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pass that at some time these great serpents desire to seize people as they severally travel from place to place, thou must at once kill such serpents, and when thon killest them, they will be that on which thou shalt feed. Other animals also, equal in otkon orenda [malefic magic power] ${ }^{a}$ to these, all such shall fare like them. Thou wilt ever have these to watch--have these as thy adversaries. Now then, of course, I have finished this matter. Now then such is the office thou hast assumed. Mankind will name thee "Our Grandfather-whose-roice-is-customarily-uttered-in-divers-places." Then, indeed, they two parted company. There the legend ends.


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[^0]:    Honorable S. P. Langley,
    Secretary of the Smithsonien Institution.

[^1]:    $21 \mathrm{ETH}-03-\mathrm{II}$

[^2]:    Appropriation by Congress for the fiscal year ending June 30, 1900, "for continuing ethnologic researches among the American Indians, under the direction of the Smithsonian Institution, including salaries or compensation of all necessary employees and the purchase of necessary books and periodicals, fifty thousand dollars, of which sum not exceeding one thousand dollars may be used for rent of building" (Sundry civil act, March 3, 1899)
    $\$ 50,000.00$
    Salaries or compensation of employees
    $\$ 34,737.65$
    Special services . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 162.20$
    Traveling expenses........................................... . 2, 644.91
    Ethnologic specimens. . . . . . . . . . . . . . . . . . . . . . . . . . . . 3, 820. 00
    Publications.................................................... 20.00
    Illustrations..................................................... . . . 498.30
    Manuscripts...................................................... . . 1, 391. 44
    Books and periorlicals for library...................... . . . 600.42
    Office rental. .................................................... . . 916.63
    Furniture.............-. .-. ................................... . . . 419.05
    Lighting....................................................... . . . . . 54.34
    Stationery and general supplies....................... $1,218.76$
    Freight............................................................ 241.55
    Postage and telegraph.................................... 57.50
    Miscellaneous......-. - . . . . . . . . . . . . . . . . ............ 69.90
    Total disbursements . . . . . . . . . . . . . . . . . . . . . . . . . . . . . ................ $47,852.65$

[^3]:    a Sec Archeological Expedition to Arizona in 1895, in the Seventeenth Annual Report of the Bureau of American Ethnology, part 2, 1899.
    bInternationales Archiv für Ethnographie, Band vir, 1894.
    e For the pronunciation of proper names, see the alphabet at the end of this puper.

[^4]:    a For ferial calendar of the Hupis, see Internationalcs Archiv für Ethnographie, Band vin, 1895, pp 215, 236: American Anthropologist, vol. XI, 1898; Fifteenth Annual Report of the Bureau of Ethnol ogy, 1897, p. 260 et seq.

[^5]:    Winter Flute prayer-stick-making. Winter Marau prayer-stick-making. Winter Snake prayer-stick-making. Summer Sun prayer-stick-making. Winter Lakone prayer-stick-mak- . Winter Sun prayer-stick-making. ing.

[^6]:    a For Hopi religious fraternities see Journal of American Ethnology and Archæology, vol. If, 1892.

[^7]:    a For a description of the elaborate rites at the advent of the sungrod in the kiva, see American Anthropologist, 1899 and 1900. The exercises in the Hano kivas, where there are two altars with serpent effigies (see American Anthropologist, new series, vol. i, 1899), are mainly for rain and crops.

[^8]:    a Mrs itevenson informed the author that the Zuñi claim onse of the towns on the East mesa, and later he learned that the town referred to is Sichumovi.
    uSee Journal of American Ethmology and Arehaology, vol. If, 1892.

[^9]:    "This is not the place to point out the resemblance between the symbolism of the Calako masks and those of the sun, but the author is firmly convinced that the Calakogiants represent giant sun birds. Not only the symbolism but also the acts of these beings support this theory. The Calako festival is practically a sun drama.

[^10]:    $a$ The chevron on the face of this being recalls the eagle and hawk symbolism.
    $b$ The Snake ehiefs meet in odd, the Flute in even, years. There are some variations in all the eeremonies of the ealendar eonneeted with the eelebration of Flute or suake dance.

[^11]:    Just as the sun rose the two [Ahül and the chief] visited a kiva in Hano. .Stooping down in front of it, Ahül drew a vertical mark with meal on the inside of the front of the hatchway, on the side of the entrance opposite the ladder. He turned to the sun and made six silent inclinations, after which, standing erect, he bent his head backward and began a low rumbling growl, and as he bent his head forward raised his voice to a high falsetto. The sound he emitted was one
    a Journal of American Ethnology and Archæology, vol. II, 1892.
    $b$ The use of the same word for his appearance and for sunrise is significant. Ahül may be translated The Returning One.
    c Fifteenth Annual Report of the Bureau of Ethnology, Washington, 1s97, p. 27\%.

[^12]:    a The monsters that visit the houses as described above are represented in a photograph taken at Walpi by Mr James Mooney and published with his permission in a paper in the Fifteenth Annual Report of the Bureau of A merican Ethnology, as plate cv. The names of these, beginning at the right of the line, are: 1, Hahai wüqti; 2, Natacka naamû; 3, Soyok mana; 4, Soyok mana; 5, 6, 7, 8, 9, Katackas of different-colored masks; 10, 11, 12, Heheas.

[^13]:    a A theatrical performance at Walpi, in Proceedings of the Washington Academy of Sciences, vol. 11, Washington, 1900, pp. 607-626.

[^14]:    a Representing the Bear katcinas.
    $b$ This gourd was decorated with the symbolic masks of the Great Plumed Snake.

[^15]:    "This actor represented Hahai wüqti, mother of katcinas or clan-ancients.
    bPlate xxxir, Proc. Wash. Acad. Sci., vol. ir, 1900.
    c One of the prominent gods in Hopi worship.
    d Called the Kisombi kiva, plaza kiva.

[^16]:    a Ancient Hopi ladders were notched logs, some of which are still extant on the East mesa. In the winter solstice ceremony at Hano there stand, back of the altars, notched slats of wood called "sun ladders," which are supposed to be efficacious in rites recalling the sun or aiding an enfeebled sun to rise out of his "home." The prayer-sticks carried by the Buffalo maids are imitations of these sun ladders.
    bThis part was taken by Nanahe, a Hopi who has for many years made his home at Zuñi and returned to Walpi to be present at the dance.
    c The mother and grandmother of Püükoñ katcinas naturally appear as representatives of the ancients of some clan with which this special form of the katcina cult originated. Hahai wüqti, who does not appear in this act, but in the first and fifth, is represented by Kokyan wüqti, probably the same supernatural under a different name.

[^17]:    a These men were called Hehea katcinas.
    $b$ These girls were called the Tacab Anya katcina manas. On the day following, two girls representing the Anya katcina manas performed the same act in the public plaza of Walpi.

[^18]:    a Plate xxxiif, Proc. Wash. Acad. Sci., vol. iI, 1900.
    $b$ These four semicircular flaps, symbols of rain clouds, were painted in four colors, yellow, green, red, and white. On the necks of the vases were parallel lines, symbols of falling rain, and on their sides were stars and tadpole decoration. Each vase was placed on a bed of cedar or pine boughs to make it more stable.

[^19]:    a On such occasions cach clan assembles in a certain kiva, whieh is said to be the kiva of that clan.
    $b$ The sun screen and serpent eftigies used by men of the Nacab kiva have been described in a former article (The Palülükonti, Journal of American Folk-Lore, vol. I1, 1893). This performance has many points of likeness to that of actors from the plaza kiva of liano, deseribed in the first act.

[^20]:    a Article cited. The masked man who thus struggles with the serpent effigy represents Calako, a sun god, but figures of him drawn by a Hopi artist were called Maeibol katcina.

[^21]:    a For figures of the false arm see Journal of American Folk-Lore, vol. vi, 1893, plate 11.
    $b$ Two boys took this part in 1900.

[^22]:    a The symbols of this mask resemble those of Tawa (sun) disks, and those of the masks of Ahül Ahtilani, and Wuwuyomo, showing that the latter are probably the same sun gods under different clan names.

[^23]:    Woe (Eagle). Appears in kiva drama.
    Wupanau. Wanders through the pueblos, accompanied by a mudhead, who lassoes whomever he meets.
    Honau (Bear). Appears in kiva drama.
    Ahote. Wanders through the pueblo.
    Citoto. Appears in public with other masked men.
    Tcanaî. Appears with preceding.
    Wukokoti. Appears with preceding.
    Kwahu (Eagle). Appears in kiva drama.
    Püükoñ (War god). Appears in kiva drama.

[^24]:    e Journal of American Ethnology and Archæology, vol. II, 1892.
    $b$ See The Lesser New-Fire Ceremony at Walpi, Ameriean Anthropologist, new series, rol. Mr, July-September, 1901.
    cJournal of Ameriean Ethnology and Archæology, vol. If, 1892. In this early description these objects were erroneously ealled shields. They are worn before the face in elaborate Sumaikoli cele. brations.

[^25]:    "For a description of Niman Kateinaser Journal of American Ethnoloys and Archaology, vol, II, 1892, p. 86.
    b. Same volume, I. 59.
    c The summer sun frayer-stick-making at both Wrati and Hano is described in the volume just cited.

[^26]:    a Journal of American Ethnology and Archatogy, Vol. Ir, 1892, [. 33.
    $b$ Dellenbaugh has published a few euts from photographs represebting sumaikoli personations, but the symbolism of the masks is not clearly indicated $1 n$ them. Sce The North Americans of Yesterday. New York, 1901.
    cJournal of American Ethuology and Areheology, vol. If, 1892, 14. 79
    d Nineteenth Anmual Report of the Bureau of American Ethnology, part II, 1900.

[^27]:    a See article on the Lalakonti, American Anthropologist, vol. V, 1892, p. 105.
    $b$ For deseription of Mamzranti sec American Anthropologist, July, 1892. Many ceremonies are named from the society which celebrates them and the termination pakit, to go down into the kira; thus we have Maraupaki, Leūpaki, ete.

[^28]:    "The Zuni name also is Pautiwa.
    $\iota$ For picture of the doll see Internationales Archiv für Ethnographie, Band vin, pl, vin, fig. 23.
    rThe ending "tiwa" is common in Hopi personal names of men, as Intiwa, Masiumtiwa, and Wikyatiwa.

[^29]:    "See Mrs Stevenson's article in Fifth Ammal Report of the Burean of American Ethnology, 1887, p. 533 et seq.
    bThis name is close to the Zuñian, and is probably derivative in Tusayan. For picture of doll see Internationales Archiv fur Ethnographie, Band vir, pl, v, fig. 3.
    $c$ The meaning of the Zuñi name is "long horn."

[^30]:    a The name, which is the same in the Zuñi language, is probably derived from "Hu-tu-tu!" the peculiar ery of the personator.
    $b$ Deer hoofs, tin concs, or shells called mosilili, which occur in great numbers in ancient Arizona ruins, are ordinarily used for tinklers.
    c The same personage with the same namc occurs at Zuñi. See Journal of American Ethnology and Archæology, vol. I. 1891.

[^31]:    $a$ The name Tcakwaina is said to occur in Zuñian, Keresan, and Tanoan, as well as Hopi speceh. $b$ Made so by use of albumen of egg. For picture of doll, see Internationales Archiv für Ethnographie, Band VII, pl. x, fig. 34.

[^32]:    a As the mask exhibited in the Wikwaliobi kiva at Soyaluna has a crooked stick (gnela) attached to it, it may represent the ancient warrior maid, for a similar article is now used by Hopigirls in making their coiffures.

[^33]:    a For picture of the doll see Journal of American Ethnology and Archeology, vol. Ir, 1892.
    $b$ Sio (Zuñi), Humis (Jemez or humita), taamú (their uncle).

[^34]:    a For description of this dance, see Fifteenth Annual Report of the Burean of American Ethnology, 1897. p. 30 et seq.
    $\iota$ This was highly appopriate, as this is a Zuni dance and these masks were derived from Zuñi.

[^35]:    a The same markingm that the Tatankymu priests bear in the New-fire ceremony.
    bThese decorations adorn the T'ataukyamn priests.

[^36]:    a The mask of the Soyal katcina, thülani, has similar marks in alternate celebrations of the Soyaluna. Pictures of the sum have been drawn for the athor with simitar crescentic eyes, from which it is inferred that Ahülani is a sun god who appears as a hirl (eagle) man in Soyahtua and that Hahai wïnti and knkyan wiisti are different names of the same supernatural.
    b For photograph of Hahai wiisti, Natacka naamut, and soyok mana, see Fiftecnth Ammual Report Burcall of Amerian Ethnology, 1597, plew. For picture of doll, see Internationales Arehiv für Ethnographic. Band vir, pl. ix, fig. 27.
    © For picture of doll, sece Internationales Arehis für Ethogrpaphie, Band vir, pl. Xr, fig. 41. Both Tumas aud Tuñup have several aliases in different lopi mehlos; at Orabi the latter is known as Ho katcina.

[^37]:    a The symbolism of Tuñw resembles that of Calako, whom the author inlentifies as a sum god. Traditions declare that the first youths were flogged by Calako.

[^38]:    "For figure of the doll see Intermationales Archiv fir Ethnographie, Band vif, pl. IX, fig. 30,
    bSoyok from skoyo, a Keresan word meaning monster or logy.

[^39]:    a This part is taken by a lad. For picture of the doll see Internationales Archiv für Ethographic, Band vir, pl. ix.
    ${ }^{\circ}$ Compare this artificial flower with that of the Wüwütcimtn society. The member of both this society and the Tatankynmû have similar phallic symbols painted on body und limbs, Fora picture of the doll, see Intermationales Archiv für Ethographie, Band vir, plı, vir, vif, fig.o 16, 1 s .

[^40]:    " Perhajs derived from Awatobi.
    bThe Corn maids have several different names, varying with clans. For picture of doll in which this association :upears, see luternationales Archivy für Ethographie, Band vin, pl. X, tig. 31.
    © A motern innovation in both instances.

[^41]:    a'The actions of this person at Zuñi are described in the Journal of American Ethuology and Archeology, vol. II, 1892, where she is called an old scold.

[^42]:    asce Journal of American Ethnology and Archmology, vol. 11, 1892. For picture of doll, see Internationales Arehiv für Ethnographie, Band vir, nl, ix, fig. 24.
    b The use of this water and sacred meal is described in the Journal of American Ethnology and Archaology, vol. 11, 1892.

[^43]:    "For deseription of Pawik katcina see Tusayan Katcinas, Fifteenth Annual Report of the Bureau of Ethnology, 1897, pages 299-303.

[^44]:    ＂For description of Mahu katcina，see Joumal of American Ethmology and Archeology，rol．If，1－92． For picture of the doll，see Internationales Arehiv fier Ethnugraphie，Band vil，pl．vin，fig． 21.

[^45]:    a For a description of these, see Journal of American Folk-Lore, vol. Yi, 1893.
    b The Hano name. Imbesaiva, which is applied to Vohozro wüqti, means grandmother, possibly the Snow katcina's grandmother.

[^46]:    "See A Theatrical Performance at Walpt l'roceedings Washington Academy of Science, vol. II, 1900, pages 605-629, and pages 40-5.5 of this paluer.

[^47]:    "Fabrics obtaned in cliff houses and other old Arizona ruins show that it is probable that eloth in which feathers were woven was worn by the ancient aneentora of the Hops.

[^48]:    a The part was taken by Nanahe，a Hopi who lives in Zuñi and who had returned to Walpi for that 1，410nse．

    B Fur licture of the doll，set Internationales Archiv fuir Eflmograplite，Band vir，pl．V．，fig． 59.
    come of these implements can be seen on the altar of the Kalektaka in the Momteita ccremony．

[^49]:    "The masks seen in the Ankwinti have carred wooden lizards attached to their foreheads.
    $b$ For picture of the doll, see Internationales Archiy für Ethnographie, Band vil, pl. vi, fig. 6.

[^50]:    a In old times these bunds were made of porcupine quills, but these are now rare and are replaced by embroidered worsted of different colors.
    b A very good doll of Muraias taka, made for the author in 1900, has patches of white on the body; arms, and legs, and the kilt is tied by a miniature white girdle.

[^51]:    $a$ There are many published pictures of the Lopi symbolic sun disk. See Fifteenth Annual Report of the Burcau of American Ethnology, 1897, pl. civ; American Anthropologist, vol. x, 1897, pl. II, figs. 36, 37, 40, pl. Iv, fig. 112; Journal of American Folk-Lore, vol. vi, 1893, pl. I; Proceedings Washington Academy of Science, vol. II, 1900, pl. xxxir.

[^52]:    "For picture of the doll, see Internationales Archiv für Ethnographie, Band vir, pl. vir, fig. 14.
    $b$ Akorostn. The words sung by Korocto are Keresan, as is the case with those sung by several other katcinas of eastern origin.

[^53]:    a For pieture of the doll, see Intermationalea Arehiv für Ethnographie, Band vif, yl. v, fig. '2.
    $b$ For picture of the doll, see same volume, pl. vir, fig. 13.

[^54]:    a For description of dancé called by this name, see Journal of Anerican Lithnology and Archreology, vol. II, 1892.
    b Cetola, a Zuñi word for ruttlesuake.

[^55]:    a The etymology of this word is doubtful, but there ean be detected in it a likeness to the word hopoko (castern), referring, no doubt, to its origin from eastern pueblos, from which the Sikyatki clans are reputed to have eome.
    $b$ Kotka really belongs to the Spider clan, which all regard as one of the Bear group.
    c Wikyatiwa is a member of the Walpi Snake elan.

[^56]:    a From the Spansh tuna, prickly pear.
    $b$ Evidently from Spanish vaca, cow. The Hopi word wakac means cow.
    cThis name 2 derived from the circle which rabbit hunters make when they hunt these animals. makto hunt.

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[^57]:    a A Tusayan Foot Race, Bulletin Essex lustitute, vol. XXIV, 1892, p. 113-136.

[^58]:    a The word nemico is appled to the queue jn whach the Hopl men tie their hair behind their heads.
    uMud ball (teuka) thrower.
    c Pala, red, pitione, kilt.

[^59]:    a For picture of foll, se Internationales Arehir fur Ethnographic, Band vif, pl. Ix, $x$, fig. 28, 31 ;
    Fifteenth Anumal Report of the Burean of American Ethnology, 1897, pl. crin, cix, fig. 39.
    bThese beings, Palahiko mana and Calako mana, probably represent the same conception.

[^60]:    "The symbol of the sky god is sometimes an equal-armed cruss. Other symbols are lightning designs ur figures of plumed snakes.

[^61]:    a For figure of monkohus, see description of the New-fire ceremony, where personations of Alosaka appear, American Anthropologist, new series, vol. II, 1900, p. 90.
    bThe name Alosaka is the Awatobi name of the germ god, the Sikyatki equivalent being Masaut and Eototo, and the general name Muynubu.
    c Morphologacally a sun emblem or "baek shield" representing the sun
    d The returning one, 1. e., the sun god.

[^62]:    a See The Winter solstice Ceremony at Walpi, American Anthropologist, vol. xı, 1898, p. 65, 101.
    ${ }^{b}$ Called Kwatoku, Eagle-sky-one, High-sky-eagle; one of the sun birds.

[^63]:    "Pakatcomo is the name of a ruin in the Walpi valler, where the Patki and related clans lived after they abandoned Homolobi and other pueblow farther south, as already stated.
    ${ }^{6}$ The name refers to San Francisen mountains. It is therefore doubtful whether this katcina came from Pakatcomo.

[^64]:    a Kicyuba, a rery saced place to the Katcina clan, and the site of their former home. Water from Kicruba is regarded as very potent in eeremonics for rain.
    b A mountain not far from Kicyuba is called Tcüelawn's Chair.
    cAwatobi is a historic ruin destroyed the last year of the seventeenth century by warriors from the other Hopi pucblos. See Seventeenth Anmal Report of the Burean of American Ethnology, 1898.
    dA ruin not far from Oraibi, where it is said the katcinas cmerged from the under world and gave the katcina mysteries to the Honani clan.

[^65]:    a The Hopi translate this Navabo name Katcina kwamû, Grandfather of the katcinas.

[^66]:    a He is also called Odendonnia, Sprout, or Sapling, and Ioskaha, having apparently the same meaning.

[^67]:    aThe Mohawk epithct is commonly interpreted "flint," but its literal and original meaning is "erystal-clad" or "ice-clad," the two significations being normal, as crystal, flint and ice have a similar aspect and íracture. The original denotation is singularly appropriate for Winter. The last two names do not connote ice, but simply denote flint.

[^68]:    aThe elassifie eoncepthal term ongwe, having no discernable grammatie affix, is what grammarians eall a primitive word, and has both a singular and a collective denotation. It signifies "mankind, man, human beings; a human being, a person." But itworiginal meaning was "man-being" or "primal being," which signified collectively those beings who preceded man in existence and exceeded him in wisdom and effective power, the personified bodies and elements of nature, the gods and demigods of later inyth and legend, who were endowed by an imputative mode of reasoning with anthropie form and attributes additional to those normally characteristie of the partieular bodies or elements that they represented. But, after the recognition of man as a speeies different from all others, eonsequent upon wider human experience and more exact knowlerlge, and after these had pushed back from the immediate fireside and community most of the reified fietions of savage mentation, a time came when it became needful to distinguish between the man-being, a human being, and the man-being, a reified personification of a body or element of nature; in short, to distinguish between what human experience had found to be "real, genuine, native," and what was the converse. Hence, the limiting term oñwe, signifying "native, real, genuine, original," was eombined with ongwe', thus forming ongwe'oñwe", which signifies "native, real, or gentine man-being," hence, "man, human being." But after the advent of trans-Atlantic peoples the antithesis was transferred unconseiously from the "Irimal being." or "man-being," the reified concepts of myth and legend, to " white human being," denotive of any trans-Atlantie person. So, in this legend, when applied to times previons to the advent of man the word ongwe' usually denotes a man-being that is a personifieation, one of the gods of the inyths, one of that vague class of primal beings of whielr man was regarded by Iroquoian and other sages as a eharacteristie type.

[^69]:    a This name Zephyrs merely approximates the meaning of the orisinal, which signifies the warm springtide zephyrs that sometimes take the form of small whirlwinds or eddies of warm air.

[^70]:    a This is an exelamation expressing gratification at having one's dream or vision divined and satisfied.
    $b$ The relator of this version stated that there was a reputed eonnection between the visits of these different persongges and the presenee of their kinds in the new world beneath the sky land, but he had forgotten it.

[^71]:    a This is a dual form employed in the place of a plural, whieh follows it in parentheses.

[^72]:    a Hence arose the idea so prevalent among Amerindian peoples that the earth is an island, floating on the primal sen.
    $b$ Here man-being neans human being.

[^73]:    aln English there is no approximately exact equivalent of the term otgon, whieh is an adjeetive form denotive of the deadly, malefie, or pernicious use of orenda or magic power reputed to be inherent in all beings and bodies. It usually signifies deadly in deed and monstrous in aspect.
    $b$ The Onondagas eall this personage Hadu'i", the Senecas, Shagodiowe gowā, and the Mohawks, Akoñwara'. The Onondaga name is evidently conneeted with the expression hadu'a", signifying "he is huneh-backed," in reference to the stooping or eronching posture assumed hy the imperanator, to depict old age. The Sencea name means, "He, the Great One, who protectsthem (=human beings)," and the Mohawk name, "The Mask," or "1t, the Mask." All these names are elearly of late origin, for they refer evidently to the being as depieted ceremonially in the festival for the new year. The orenda or magie power of this being was believed to be effeacious in warding off and driving away disease and pestilenee, as promised in this legend, and hence the seneea name. The Mohawk epithet arose from the fact that the impersonator usually wears a mask of wood. But these etymologies do not give a definite suggestion as to what matural object gave rise to this personifieation, this eoncept. But from a careful synthesis of the ehief eharacteristies of this personage, itseems very probable that the whirlwind lies at the foundation of the conception.

[^74]:    a From this paragraph to the end of this version there is more or less admixture of trans-Atlantic ideas. $b$ Here oñ'gwe'denotes a human being. See footnote on page 141.

[^75]:    a The monkey and the afe were probably quite unknown to the Iroquois.

[^76]:    a The use of the number four here is remarkablc. It seems that the two female children are introduced merely to retain the number four, since they do not take any part in the events of the legend. It appears to the writer that the visiting boy and his warty brother are here inadrertently displaced by the narrator by the substitution of the two girls for the reason given above, owing to his or a predecessor's failure to recall all the parts of the legend. This form has emphasized the importance of the twins to the practical exclusion of the other brothers. In the Algonquian Potawatomi genesis narrative, which, like those of its congeners, appears to be derived from a source common to both lroquoian and Algonquian uarrators, four male children are named as the offspring of the personage here called Wind. For the Potawatomi version consult De Smet, Oregon Missions, page 347.

[^77]:    "This in the senera mane for the Hadu'f of the Onondagas.

[^78]:    риwer.

[^79]:    a This term goes baek to the time when upper and lower grinder had the same name.

[^80]:    hěñni"dion" ne" ago'watci'iä'."
    thes (m.) are the
    her ohwachira."

[^81]:    $a_{\text {An }}$ ohwachira in its broadest and original sense denotes the male and female offepring of a woman and their descendants in the female line only. In its modern and narrowed meaning it is equivalent to family; that is, a fireside group, usually composed of a parent or parents and offspring.
    $b$ The epithet (in the dual form) dehninotaton is descriptive of the requirement of an aucient custom now almost, if not wholly, obsolete among the Iroquois. It consisted in the serlusion of $n$ child from the age of birth to puberty from all persons except its chosen guardian. The necasion of this seelusion was some omen or prodigy accompanying the birth of the chill, whieh indiented that the child was uncanny, possessing powerful orenda, or magic power. It seems that children born with a caul were thus secluded, and the presence of the caul itself may have given rise to the custom. Persons thus sechuld were usually covered with corn husks in some nook whence they came forth only at night in the care of their guardian. Moreover, the down of the spikes of the cat-tall was carefully prinkled about the place of seclusion, the disarrangement of which would indicate an intrusive visit. Hence the epithet "down-fended," which is the signification of the Amerindic epithet.

[^82]:    a This is a contracted form of the preceding word and is very much used,

[^83]:     "Maple such it tree kind of the where one uses it to eross but it basswood 15 the stream,

[^84]:    "Several different kinds of trees and plants are named by varions narrators as the tree or plant thus

[^85]:    "It is for this reason that he is called Thwiskaron', which is the Mohawk mame for flint or ehert. Consult The Cosmogonic Gods of the Iroquois, Proc. Am, Ass. Adv. Sci., V. 44, pp. 241 and following, $1 \times 95$.

[^86]:     ＂Let it increase in the this it is it earth（is）presenthere，＂now nnd $1 t$ size

[^87]:    a This refers to human beings, which, it was understood, were about to inhabit the earth.

[^88]:    a This is approximatcly the death cry or halloo of the Iroquois.
    $b$ The bluebird is here mentioned as it is among the first of the migratory birds to return in the spring, which is a token that the spring of the year has come, and that the power of the Winter power is broken.

[^89]:    aThat is, so fast as winter recedes, so rapidly the iee on rivers and lakes disappears.

[^90]:    a This incident is evidently taken from Genesis in the Christian Bible.

[^91]:    a See p. 224 and Orenda and a Definition of Religion, by J. N. B. Hewitt, Am. Anthropologist (N.s.), vol. 4, p. 33, 1902.

